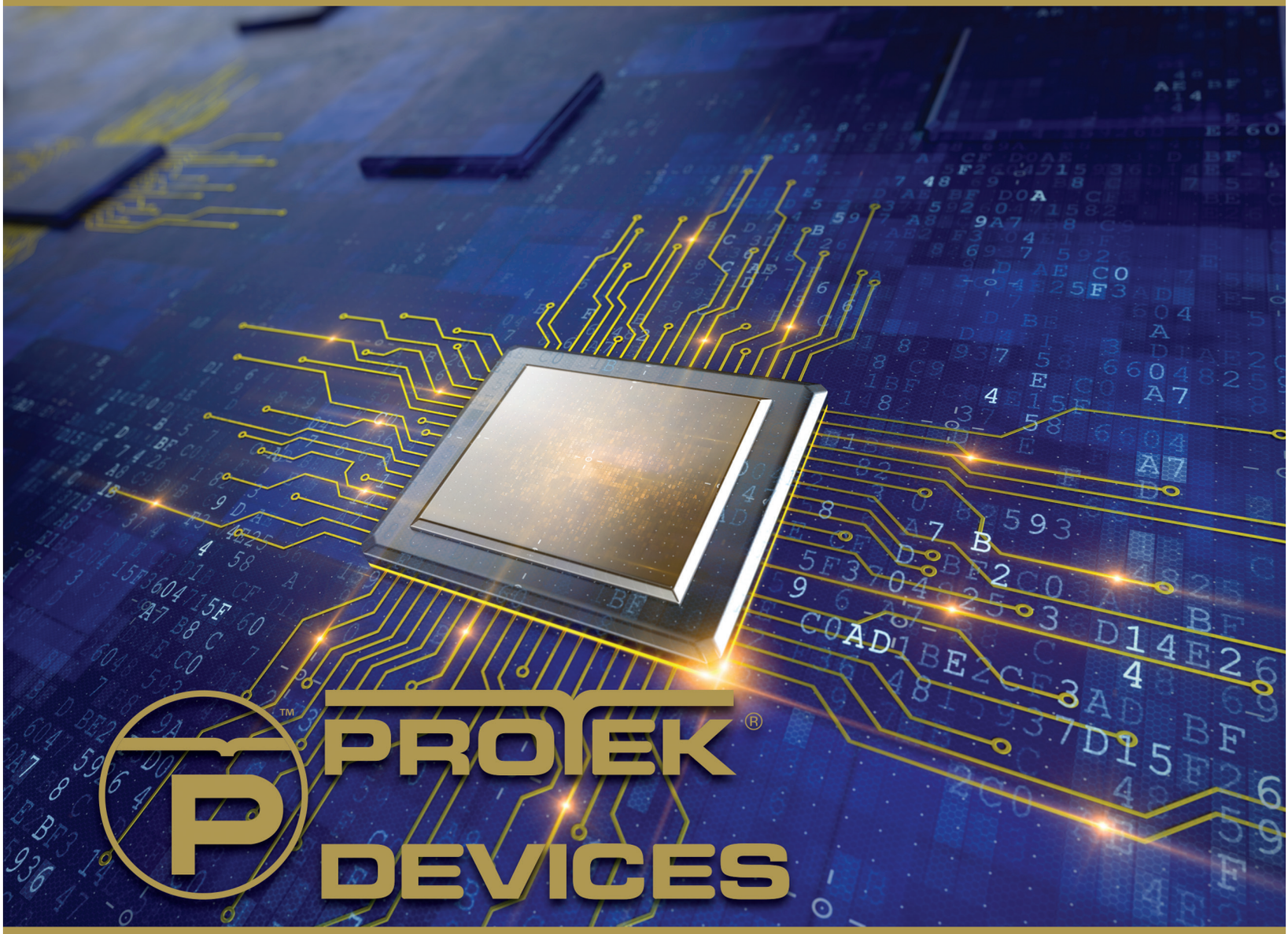
SHORT FORM CATALOG

Only One Name Means ProTek'Tion™



Rev. 13, Aug-2016

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ATTENTION

- Not all voltages, configurations or packages are shown. Please contact customer service for more information.
- ProTek offers protection devices for Automotive applications. The part numbers begin with the prefix 'PAM'.
- ProTek offers protection devices for LED applications. The part numbers begin with the prefix 'PLED'.
- All devices, with the exception of those contained within the Modules-Components and Modules-SurgeBuster sections are Lead-Free, ROHS compliant. These products are designated as "lead free" and meet the requirements of the European Union's restriction on the use of hazardous substances in electrical equipment as stated in (RoHS) direction, 2002/95/EC. ProTek Devices defines "lead free" as products that are compatible with current RoHS requirements for the 6 "banned" substances: Lead (Pb, <1000ppm), Cadmium (Cd, <100ppm), Mercury (Hg, <1000ppm), Hexavalent Chromium (Cr6+, <1000ppm), Poly Brominated Biphenyls (PPB, <1000ppm), Poly Brominated Diphenyl Ethers (PBDE, <1000ppm). This includes the requirements that lead not exceed 0.1% by weight in homogeneous materials.
- The following packages are REACH Compliant: Axial Leads, DFNs, DIPs, Flip Chips, MSOPs, QFNs, SCs, SODs, SOICs, SOTs and VSIPs
- Standard Tape & Reel Nomenclature
  - -T7 for 7" Reels, i.e., PSOT05-T7
    - –T71 for 7" Reels 1,000 pieces per reel, i.e., ESD4-LFC-T71
    - –T73 for 7" Reels 3,000 pieces per reel, i.e., ESD4-LFC-T73
  - -T13 for 13" Reels, i.e., SM8LC05-T13
  - -TS for sample size Reels, i.e., SM16LC05C-TS

Not all products are available in 7" or 13" reels. Quantities per reel vary depending upon package size. Please consult the product datasheet or customer service for ordering information regarding a specific part series. All datasheets can be found on ProTek Devices website: www.protekdevices.com

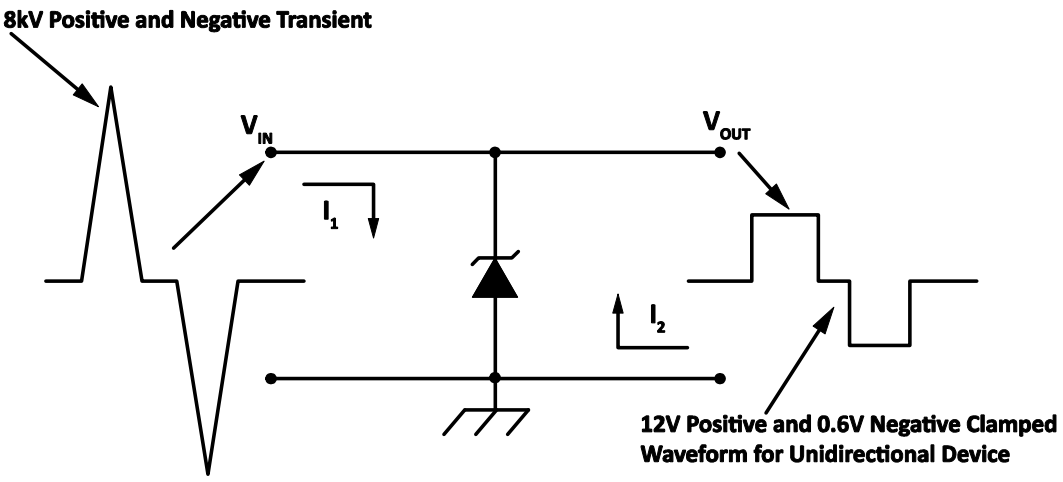
Do not put products into life support systems without written consent from ProTek Devices.

ALPHANUMERIC - INDEX

PRODUCT INDEX - ALPHANUMERIC

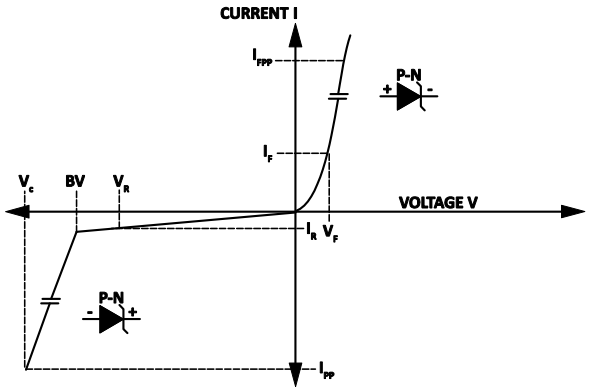
UNIDIRECTIONAL TVS DEVICE SELECTION PROCESS

TVS Clamping Characteristics



Unidirectional TVS

Avalanche Junction TVS
VI Characteristics



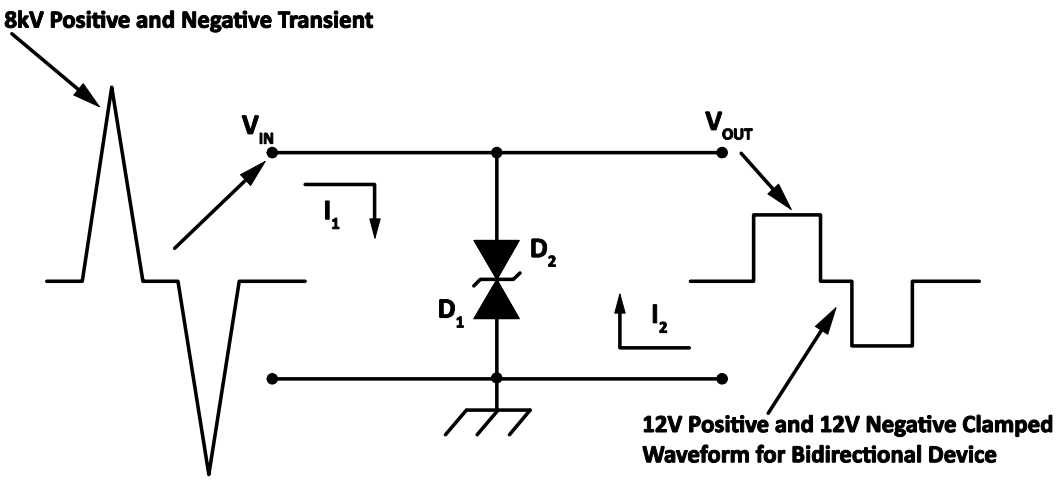
Symbol	Parameter
B_V	Breakdown Voltage
I_R	Leakage Current
V_R	Reverse Stand-Off Voltage
V_C	Clamping Voltage
I_{PP}	Peak Pulse Current

SELECTION PROCESS

TVS Parameters	Application Parameters
Stand-Off Voltage (V_R) ≥	Operating Voltage (V_{OP})
Peak Pulse Current (I_P) ≥	Transient Current (I_T)
Clamping Voltage (V_C) ≤	Voltage Withstand Level (V_{WS})
Input Capacitance of the Device ≤	Acceptable Line Loading for Functional Pass

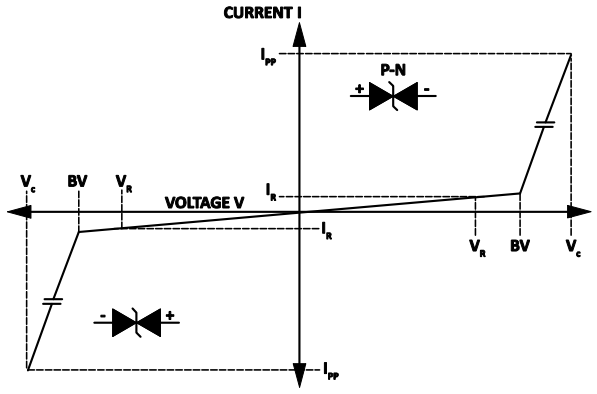
BIDIRECTIONAL TVS DEVICE SELECTION PROCESS

TVS Clamping Characteristics



Bidirectional TVS

Avalanche Junction TVS
VI Characteristics



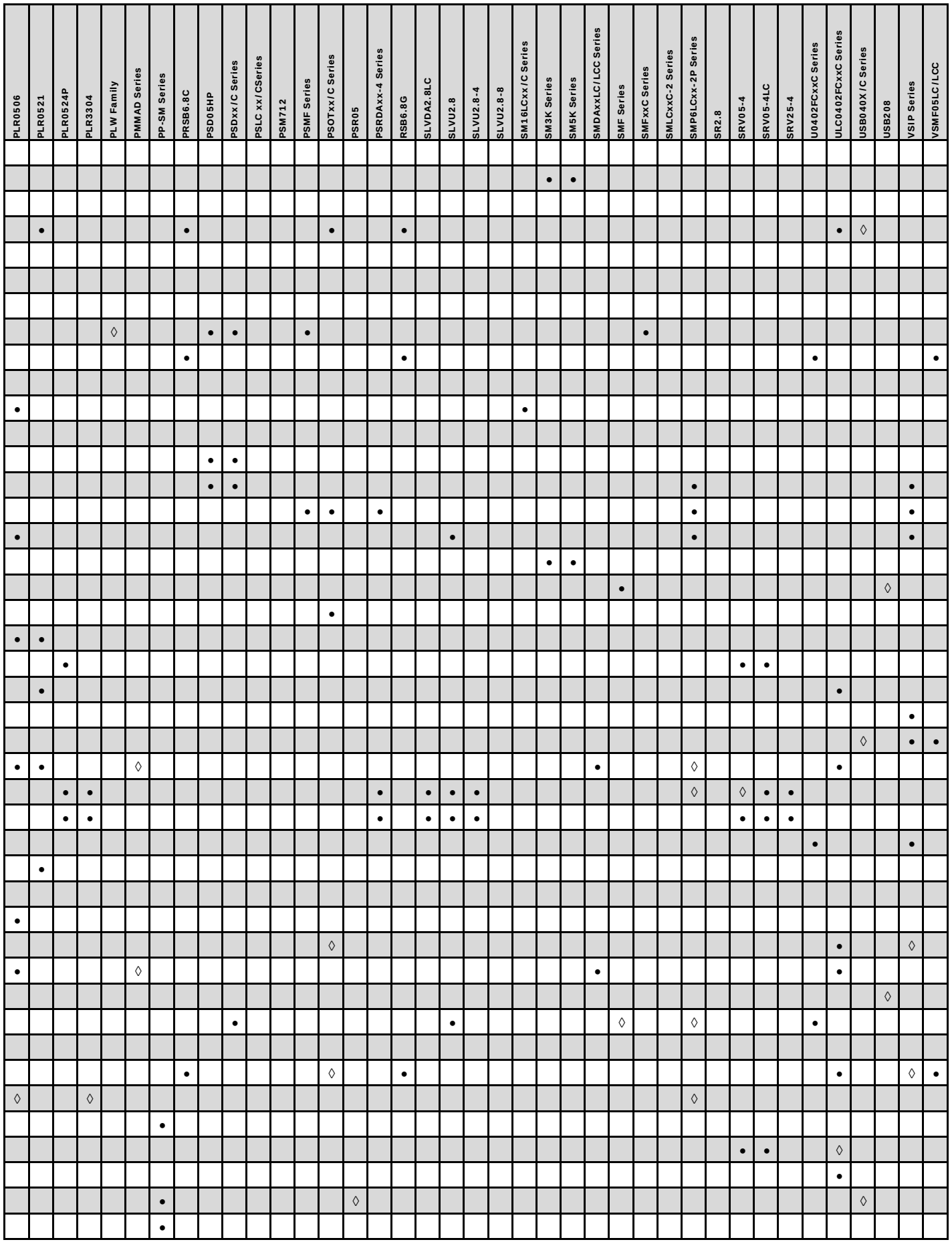
Symbol	Parameter
B_V	Breakdown Voltage
I_R	Leakage Current
V_R	Reverse Stand-Off Voltage
V_C	Clamping Voltage
I_{PP}	Peak Pulse Current

SELECTION PROCESS

TVS Parameters	Application Parameters
Stand-Off Voltage (V_R) $\geq$	Operating Voltage (V_{OP})
Peak Pulse Current (I_P) $\geq$	Transient Current (I_T)
Clamping Voltage (V_C) $\leq$	Voltage Withstand Level (V_{WS})
Input Capacitance of the Device $\leq$	Acceptable Line Loading for Functional Pass

SOLUTIONS MATRIX - *Protection Device Selection by Application*

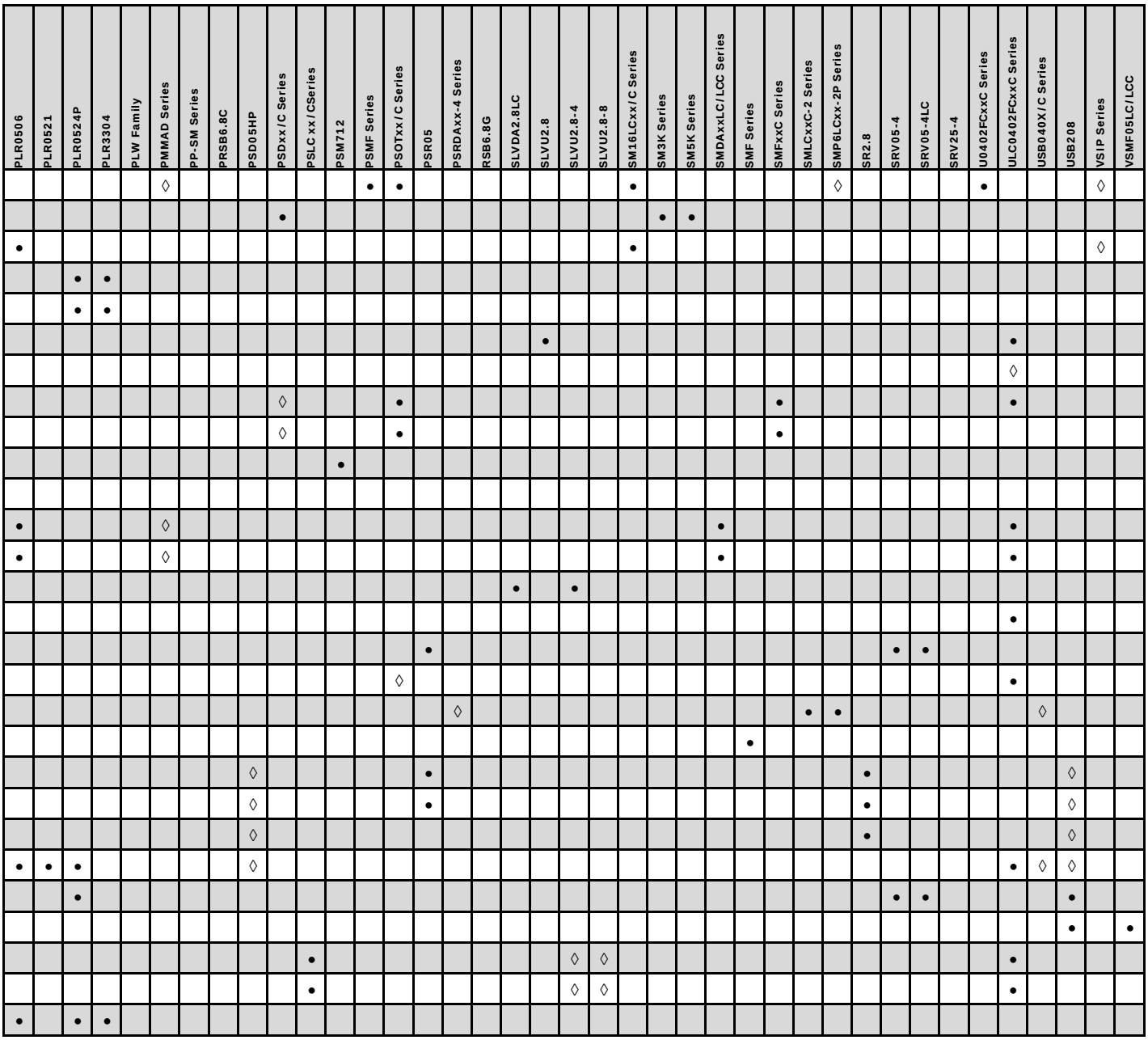
	15KPA Series	2700SM78CA	30KPA Series	420E Series	485ELC	704 Series	DFN6-36	DLZ Series	DSOT0502	EMIFSeries	ESD4-DFN	ESD4-LFC	ET721	ET724	GBLCxx/C Series	GBLCxx/CI Series	GBLCSCxx/C Series	GPZ Series	MSMF05	MSMF05C	MSMF05LC	PAM01SC7905C	PAM02SD2312C	PAM08SD23xxC Series	PAM10ST23xxC Series	PAM16AL30A	PAM25DF25K Series	PKFCxxC Series	PLC01-6	PLC03-3.3	PLC03-6	PLC496	PLCDA Serie	PLR0502	PLR0504F
4-20MA Control Loop				●																															
AC Power	●	●	●																																
Air Bag Sensor																									●										
Audio																												●							
Automatic Braking Sys.																									●										
Automotive Checker Cir.																							●		◊										
Automotive RKE																									●										
Battery/Charge Connector			◊						●																										
Buttons									◊					◊	●						●														
Car Stereo, GPS, Display																									●										
Card Reader																																		●	●
CC-Link							●								●	●																			
Charging Port			◊														●																		
Control Keys																	●																●		
Control Lines																			◊	◊	◊												●		
Data Communication															●														●	●	●		●	●	●
DC Power	●	●	●			◊												◊																	
Defibrillator											●			◊																					
Devicenet																																			
Display										●																							◊		●
DVI													◊	◊																					●
Earphone																					●							◊							
Electronic Control Unit																						●													
Edge Connector												●		◊						●															
eSATA Bus																																	◊	●	●
Ethernet 10/100/1000														◊	●	●													●	●	●		◊		
Ethernet/IP														◊	●	●														●	●				
Front Panel											◊																								
Fuel Injection																										●									
GPIB/VXI Bus																																			
HDMI																																		●	●
I/O Port																					●														
IDE Bus																																		●	●
Ignition																										●									
Infusion Pump																																		●	
Instrumentation																								●	●										
Keyboard											◊										●														
LCD Display											●																						◊		
Lightning Protect. Ballast																																			
Memory Card																			●																
Microphone																				●	●							◊							
Modem - ADSL																																			
Modem -xDSL															●	●																			


PLR0506
PLR0521
PLR0524P
PLR3304
PLW Family
PMMAD Series
PP-SM Series
PRSB6.8C
PSD05HP
PSDxx/C Series
PSLC xx/CSeries
PSM712
PSMF Series
PSOTxx/C Series
PSR05
PSRDAxx-4 Series
RSB6.8G
SLVDA2.8LC
SLVU2.8
SLVU2.8-4
SLVU2.8-8
SM16LCxx/C Series
SM3K Series
SM5K Series
SMDAxxLC/LCC Series
SMF Series
SMFxxC Series
SMLCxxC-2 Series
SMP6LCxx-2P Series
SR2.8
SRV05-4
SRV05-4LC
SRV25-4
U0402FCxxC Series
ULC0402FCxxC Series
USB040X/C Series
USB208
VSIP Series
VSMF05LC/LCC

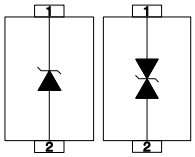
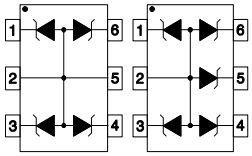
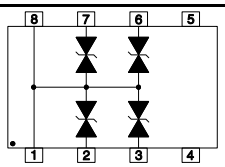
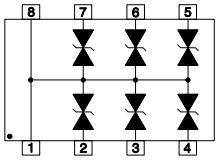
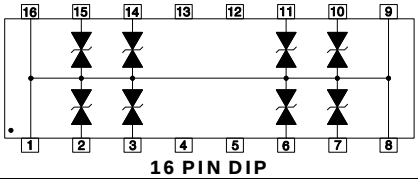
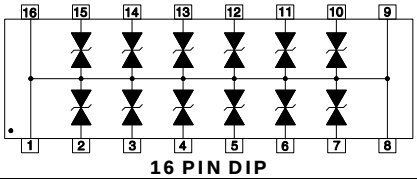
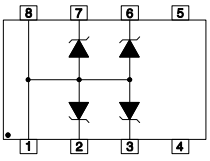
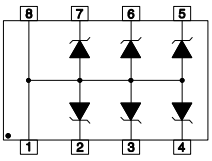
	15KPA Series	2700SM78CA	30KPA Series	420E Series	485ELC	704 Series	DFN6-36	DLZ Series	DSOT0502	EMIFSeries	ESD4-DFN	ESD4-LFC	ET721	ET724	GBLCxx/C Series	GBLCxx/CI Series	GBLCSCxx/C Series	GPZ Series	MSMF05	MSMF05C	MSMF05LC	PAM01SC7905C	PAM02SD2312C	PAM08SD23xxC Series	PAM10ST23xxC Series	PAM16AL30A	PAM25DF25K Series	PKFCxxC Series	PLC01-6	PLC03-3.3	PLC03-6	PLC496	PLCDA Serie	PLR0502	PLR0504F
Parallel Port (IEEE 1284)																																	•		
Power Supplies																																			
Printer																																		•	•
Profibus															•															•				•	
Profinet															•															•					
RF In/Out																◊																			
RF Modules																•	•																		
RS-232 Bus																					•														
RS-422 Bus																																			
RS-485 Bus					◊																														
Smart Power Supply									•																										
SATA Bus																																		•	•
SCSI Bus																																		•	•
SDH/ATM/Sonnet/Cu															•														•	•	•				
Sensor Lines							•																									•			
Sensor/Detector															•																				
Smart Card																					•														
T1/E1, T3/E3																													•	•	•				
Touch Screen										•																									
USB OTG																																	◊	•	
USB1.1																																	◊	•	
USB2.0														◊																				•	
USB3.0																																		•	•
VGA													◊	◊																					•
Video														◊	•						•														
Wireless LAN																																			
Wireless WAN																																			
X-Ray Scanner															•																			•	•

Recommended • Alternative ◊

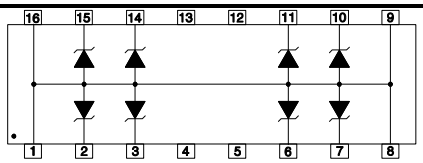
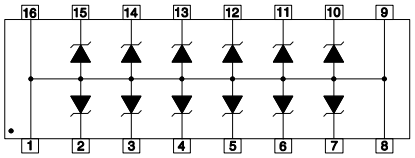
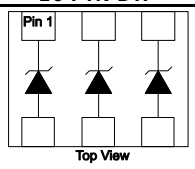
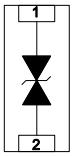
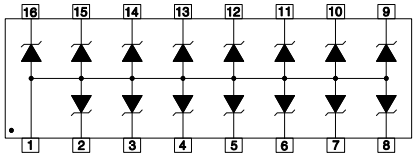
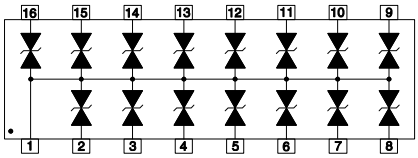
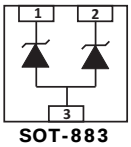
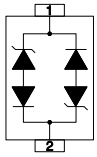
Final Part Number Selection Will Depend on Voltage, Number of Lines, Surge Rating and Package Type Requirements


PLR0506
PLR0521
PLR0524P
PLR3304
PLW Family
PMMAD Series
PP-SM Series
PRSB6.8C
PSD05HP
PSDxx/C Series
PSLC xx/CSeries
PSM712
PSMF Series
PSOTxx/C Series
PSR05
PSRDAxx-4 Series
RSB6.8G
SLVDA2.8LC
SLVU2.8
SLVU2.8-4
SLVU2.8-8
SM16LCxx/C Series
SM3K Series
SM5K Series
SMDAxxLC/LCC Series
SMF Series
SMFxxC Series
SMLCxxC-2 Series
SMP6LCxx-2P Series
SR2.8
SRV05-4
SRV05-4LC
SRV25-4
U0402FCxxC Series
ULC0402FCxxC Series
USB040X/C Series
USB208
VSIP Series
VSMF05LC/LCC

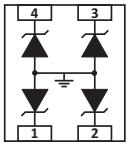
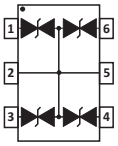
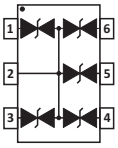
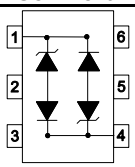
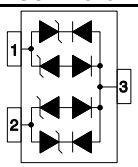
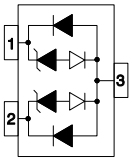
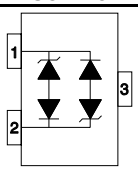
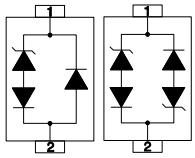
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
5.0SMDJ6.0CA	6.0	6.67	10.3	485	2000	-	1	5000	
Not all voltages are shown for the 5.0SMDJ Series. Please consult the factory for other voltages.									
5.0SMDJ440A	440.0	492.0	713.0	7.0	5	-	1	5000	**DO-214AB**
Note: I_{PP} and P_{PP} 10/1000µs									
CP05	5.0	6.0	9.8	1.0	20	70	4-5	200	
CP12	12.0	13.3	19.0	1.0	1	50	4-5	200	
CP15	15.0	16.7	24.0	1.0	1	30	4-5	200	
CP24	24.0	26.7	43.0	1.0	1	25	4-5	200	**SOT-23-6**
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "CP05C".									
DA05CL	5.0	6.0	24.6	45.0	200	500	4	800	
DA12CL	12.0	13.3	32.9	34.0	2	385	4	800	
DA15CL	15.0	16.7	37.7	27.0	2	300	4	800	
DA24CL	24.0	26.7	53.0	20.0	2	200	4	800	**8 PIN DIP**
DA05CM	5.0	6.0	24.6	45.0	200	500	6	800	
DA12CM	12.0	13.3	32.9	34.0	2	385	6	800	
DA15CM	15.0	16.7	37.7	27.0	2	300	6	800	
DA24CM	24.0	26.7	53.0	20.0	2	200	6	800	**8 PIN DIP**
DA05CN	5.0	6.0	24.6	45.0	200	500	8	800	
DA12CN	12.0	13.3	32.9	34.0	2	385	8	800	
DA15CN	15.0	16.7	37.7	27.0	2	300	8	800	
DA24CN	24.0	26.7	53.0	20.0	2	200	8	800	**16 PIN DIP**
DA05CP	5.0	6.0	24.6	45.0	200	500	12	800	
DA12CP	12.0	13.3	32.9	34.0	2	385	12	800	
DA15CP	15.0	16.7	37.7	27.0	2	300	12	800	
DA24CP	24.0	26.7	53.0	20.0	2	200	12	800	**16 PIN DIP**
DA05L	5.0	6.0	24.6	45.0	200	880	4	800	
DA12L	12.0	13.3	32.9	34.0	2	440	4	800	
DA15L	15.0	16.7	37.7	27.0	2	400	4	800	
DA24L	24.0	26.7	53.0	20.0	2	275	4	800	**8 PIN DIP**
DA05M	5.0	6.0	24.6	45.0	200	880	6	800	
DA12M	12.0	13.7	32.9	34.0	2	440	6	800	
DA15M	15.0	16.7	37.7	27.0	2	400	6	800	
DA24M	24.0	26.7	53.0	20.0	2	275	6	800	**8 PIN DIP**

TVS DIODE ARRAYS

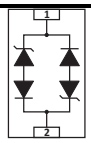
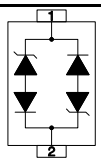
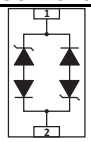
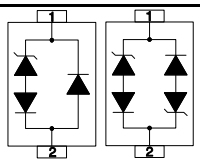
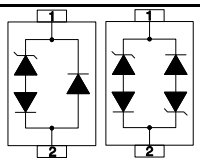
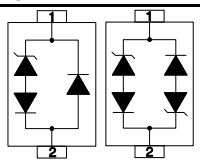
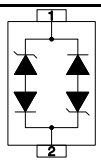
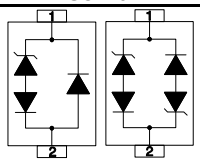
PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
DA05N	5.0	6.0	24.6	45.0	200	880	8	800	 16 PIN DIP
DA12N	12.0	13.3	32.9	34.0	2	440	8	800	
DA15N	15.0	16.7	37.7	27.0	2	400	8	800	
DA24N	24.0	26.7	53.0	20.0	2	275	8	800	
DA05P	5.0	6.0	24.6	45.0	200	880	12	800	 16 PIN DIP
DA12P	12.0	13.3	24.6	45.0	200	440	12	800	
DA15P	15.0	16.7	37.7	27.0	2	400	12	800	
DA24P	24.0	26.7	53.0	20.0	2	275	12	800	
DFN6-36	33.0	35.0	45.0	2.0	5	50	3	300	 DFN-6
DL0521P	5.0	6.0	20	1.0	1	0.6	1	20	 DFN-2-0402
DLZ-5	5.0	6.0	12.5	10.0	200	880	15	1300	 16 PIN DIP CERAMIC
DLZ-5A	5.0	6.0	10.6	10.0	200	880	15	1300	
DLZ-12	12.0	13.3	26.0	10.0	2	440	15	1300	
DLZ-12A	12.0	13.3	23.5	10.0	2	440	15	1300	
DLZ-17	17.0	19.2	37.4	10.0	2	330	15	1300	
DLZ-17A	17.0	19.2	33.9	10.0	2	330	15	1300	
DLZ-24	24.0	26.7	52.1	10.0	2	275	15	1300	
DLZ-24A	24.0	26.7	47.2	10.0	2	275	15	1300	
DLZ-30	30.0	33.3	65.0	10.0	2	220	15	1300	
DLZ-30A	30.0	33.3	58.8	10.0	2	220	15	1300	
DLZ-8C	8.0	8.5	16.6	10.0	10	440	15	1300	 16 PIN DIP CERAMIC
DLZ-13C	13.0	14.4	28.1	10.0	4	385	15	1300	
DLZ-13CA	13.0	14.4	25.4	10.0	4	385	15	1300	
DLZ-19C	19.0	21.6	42.1	10.0	4	275	15	1300	
DLZ-19CA	19.0	21.6	38.1	10.0	4	275	15	1300	
DLZ-30C	30.0	33.3	65.0	10.0	4	165	15	1300	
DLZ-30CA	30.0	33.3	58.8	10.0	4	165	15	1300	
Note: The DLZ Series is not ROHS Complaint.									
DSOT0502	5.0	6.0	12.5	2.0	2	9	1	25	 SOT-883
EBLC05C	5.0	6.0	18.3	17.0	5	3	1	250	 SOD-323
EBLC08C	8.0	8.5	28.0	12.0	2	3	1	250	
EBLC12C	12.0	13.3	31.0	8.0	1	3	1	250	

TVS DIODE ARRAYS

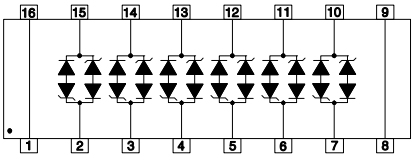
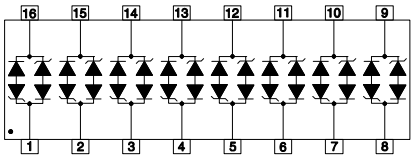
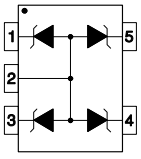
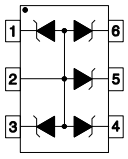
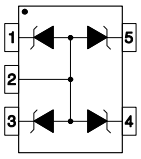
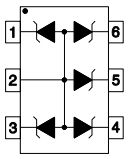
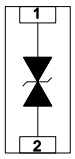
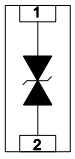
PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
ESD4-DFN	5.0	6.0	12.0	1.0	0.1 @ 3V	7 @ 2.5V	4	25	 DFN-4
ESDA05C-4	5.0	6.1	-	-	1	15	4	80	 SOT-23-6
ESDA05C-5	5.0	6.1	-	-	1	15	5	80	 SOT-23-6
ESOT12LCC-1	12.0	13.3	19.0	1.0	1	3	2	250	 SOT-23-6
ESOT24LCC-2	24.0	26.6	-	-	1	6	2	100	 SOT-23
ESOT3.3LC-2	3.3	3.5	6.5	1.0	2	15	2	175	 SOT-23
ESOT3.3LCC	3.3	3.6	-	-	2	15	1	50	 SOT-23
GBLC03	3.3	4.0	7.0	1.0	5	3	1	350	 SOD-323
GBLC05	5.0	6.0	9.8	1.0	5	3	1	350	
GBLC08	8.0	8.5	13.4	1.0	2	3	1	350	
GBLC12	12.0	13.3	19.0	1.0	1	3	1	350	
GBLC15	15.0	16.7	24.0	1.0	1	3	1	350	
GBLC18	18.0	20.0	29.0	1.0	1	3	1	350	
GBLC24	24.0	26.7	43.0	1.0	1	3	1	350	

Note: Part numbers shown are unidirectional. Add a “C” suffix to specify bidirectional devices, such as “GBLC05C”.

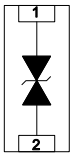
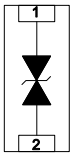
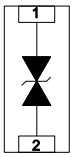
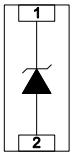
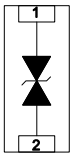
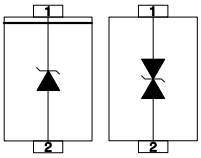
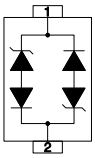
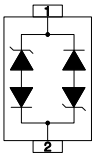
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
GBLC03CIDNHP	3.0	4.0	24.0	20.0	5	0.6	1	500	 **DFN-2**
GBLC03CIHP	3.0	4.0	24.0	20.0	5	0.6	1	500	 **SOD-323**
GBLC05CDN	5.0	6.0	18.3	17.0	5	3	1	350	 **DFN-2**
GBLC08CDN	8.0	8.5	18.5	17.0	2	3	1	350	
GBLC12CDN	12.0	13.3	26.5	11.0	1	3	1	350	
GBLC15CDN	15.0	16.7	31.8	10.0	1	3	1	350	
GBLC24CDN	24.0	26.7	56.0	6.0	1	3	1	350	
GBLC03I	3.0	4.0	7.0	1.0	5	0.6	1	250	 **SOD-323**
GBLC05I	5.0	6.0	9.8	1.0	5	0.6	1	250	
GBLC08I	8.0	8.5	13.4	1.0	2	0.6	1	250	
GBLC12I	12.0	13.3	19.0	1.0	1	0.6	1	250	
GBLC15I	15.0	16.7	24.0	1.0	1	0.6	1	250	
GBLC18I	18.0	20.0	29.0	1.0	1	0.6	1	250	
GBLC24I	24.0	26.7	43.0	1.0	1	0.6	1	250	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "GBLC05CI".									
GBLC03LC	3.3	4.0	7.0	1.0	1	0.8	1	250	 **SOD-323**
GBLC05LC	5.0	6.0	9.8	1.0	5	0.7	1	250	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "GBLC05CLC".									
GBLCSC03	3.3	4.0	13.0	10.0	1	1.5	1	200	 **SC-79**
GBLCSC05	5.0	6.0	16.0	10.0	1	1.5	1	200	
GBLCSC08	8.0	8.5	-	-	1	1.5	1	200	
GBLCSC12	12.0	13.3	-	-	1	1.5	1	200	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "GBLCSC05C".									
GBLCSC08CLC	8.0	8.5	13.0	1.0	1	0.4	1	125	 **SC-79**
GBLLC03	3.0	4.0	7.0	1.0	1	0.4	1	200	 **SOD-323**
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "GBLLC03C".									

TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
LCA05C	5.0	6.0	24.0	45.0	100	15	6	800	 16 PIN DIP
LCA08C	8.0	8.5	25.5	40.0	10	15	6	800	
LCA12C	12.0	13.3	32.0	34.0	4	15	6	800	
LCA15C	15.0	16.7	38.0	27.0	4	15	6	800	
LCA24C	24.0	26.7	48.0	22.0	4	15	6	800	
LCD05C	5.0	6.0	24.0	45.0	100	15	8	800	 16 PIN DIP
LCD08C	8.0	8.5	25.5	40.0	10	15	8	800	
LCD12C	12.0	13.3	32.0	34.0	4	15	8	800	
LCD15C	15.0	16.7	38.0	27.0	4	15	8	800	
LCD24C	24.0	26.7	48.0	22.0	4	15	8	800	
MSMF05	5.0	6.0	12.0	9.0	1	40	3-4	100	 SOT-553
MSMF12	12.0	13.3	23.8	4.2	1	20	3-4	100	
MSMF15	15.0	16.7	33.3	3.0	1	15	3-4	100	
MSMF24	24.0	26.7	55.5	1.8	1	10	3-4	100	
MSMF05C	5.0	6.0	12.0	9.0	1	40	4-5	100	 SOT-563
MSMF12C	12.0	13.3	23.8	4.2	1	20	4-5	100	
MSMF15C	15.0	16.7	33.3	3.0	1	15	4-5	100	
MSMF24C	24.0	26.7	55.5	1.8	1	10	4-5	100	
MSMF05LC	5.0	6.0	12.0	2.0	1	9	3-4	25	 SOT-553
Note: Also available in SOT-953 package configuration, part number VSMF05LC									
MSMF05LCC	5.0	6.0	12.0	2	1	9	4-5	25	 SOT-563
Note: Also available in SOT-963 package configuration, part number VSMF05LCC									
P0201D05C	4.7	5.7	16.0	1.0	0.1	5	1	10	 DFN-2-0201
P0201V05	5.0	-	40.0	-	0.10	0.15	1	-	 CERAMIC-0201

TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
P0402V05	5.0	-	35.0	-	0.10	0.15	1	-	 **CERAMIC-0402**
P0402V15	15.0	-	35.0	-	0.10	0.05	1	-	
P0402VP24	24.0	-	20.0	-	0.10	0.05	1	-	 **CERAMIC-0402**
P0603V24	24.0	-	35.0	-	0.10	0.05	1	-	 **0603**
P5V0S1UL	5.0	6.0	9.8	1.0	1	70	1	150	 **DFN-2-0402**
P5V0S1ULC	5.0	6.0	9.8	1.0	1	30	1	110	 **DFN-2-0402**
P6SMB6.8A	5.8	6.46	10.5	57.14	1000	-	1	600	 **DO-214AA**
Note: PPP @ 10/1000µs. Part numbers shown are unidirectional. Add a “C” suffix to specify bidirectional device, such as ‘P6SMB6.CA’.									
PAM01SC7905C	5.0	6.0	16.0	10.0	1	1.5	1	200	 **SC-79**
PAM02SD2303C	3.3	4.0	7.0	1.0	5	3	1	350	 **SOD-323**
PAM02SD2308C	8.0	8.5	13.4	1.0	2	3	1	350	
PAM02SD2312C	12.0	13.3	19.0	1.0	1	3	1	350	

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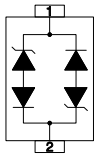
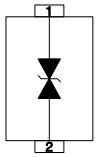
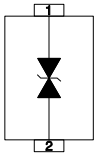
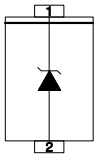
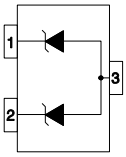
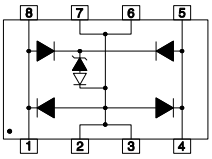
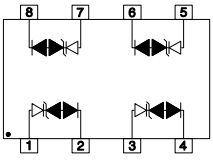
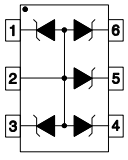
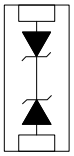
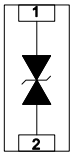
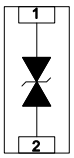
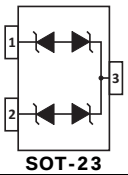
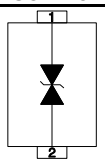
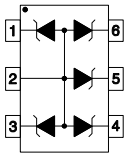
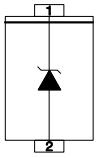
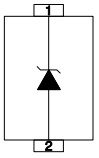
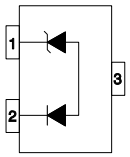
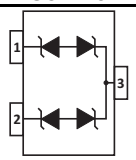
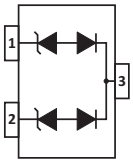
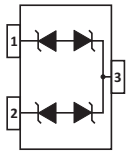
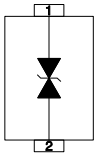
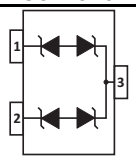
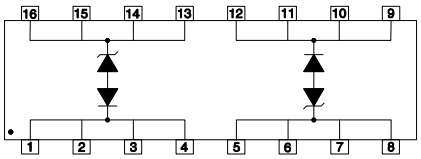
PAM03SD2303CI	3.0	4.0	7.0	1.0	5	0.6	1	250	 SOD-323
PAM03SD2312CI	12.0	13.3	19.0	1.0	1	0.6	1	250	
PAM06SC7905S	4.7	5.7	-	-	0.5	30	1	10	 SC-79
Not: P_{PP} @ 10/1000µs, Leakage Current – V_{WM} @ 3.5V									
PAM08SD2303C	3.3	4.0	7.0	1.0	125	200	1	400	 SOD-323
PAM08SD2305C	5.0	6.0	9.8	1.0	10	175	1	400	
PAM08SD2312C	12.0	13.3	19.0	1.0	1	50	1	400	
PAM08SD2324C	24.0	26.7	43.0	1.0	1	40	1	400	
PAM08SD2336C	36.0	40.0	60.0	1.0	1	35	1	400	
PAM09SD2305HP	5.0	6.0	15.0	72.0	20	800	1	1000	 SOD-323
PAM10ST2315C	15.0	16.7	30.0	17.0	1	60	1	500	 SOT-23
PAM10ST2324C	24.0	26.7	49.0	12.0	1	63	1	500	
PAM11SO803	3.0	2.8	18.0	100.0	2	25	1	1800	 SO-8
PAM12SO824	2.8	3.0	21.0	30.0	1	3	2P	600	 SO-8
PAM14ST6305LCC	5.0	6.0	12.0	2.0	1	9	4-5	25	 SOT-563

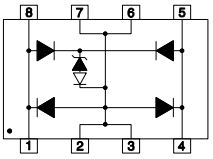
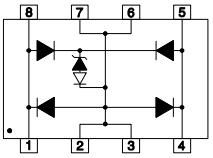
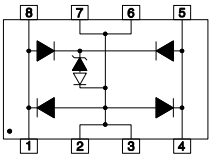
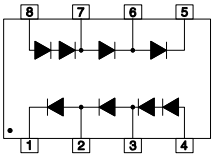
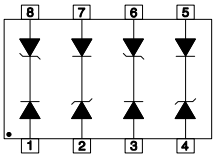
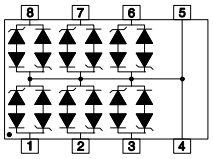
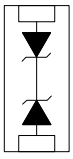
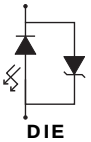
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PAM17DF2L05C	4.7	5.7	-	-	1	15	1	10	 **DFN-2-0402**
Note: I_{PP} and P_{PP} at 10/1000µs.									
PAM18DF2L0521	5.0	6.0	20.0	4.0	1	0.4	1	80	 **DFN-2-0402**
PAM19DF2L0521P	5.0	6.0	20.0	1.0	1	0.6	1	20	 **DFN-2-0402**
PAM1CAN	24.0	25.4	70.0	3.0	0.05	11	2	200	 **SOT-23**
PAM1FLEX	24.0	25.4	70.0	3.0	0.05	11	2	200	
PAM1LIN PIN 1 - 2	15.0	17.2	44.0	5.0	0.45	17	1	200	 **SOD-323**
PIN 2 - 1	24.0	25.5	7.0	3.0	0.45	17	1	200	
PAM20ST6305	5.0	6.0	12.0	9.0	1	40	4-5	100	 **SOT-563**
PAM21SC790501H	5.0	6.0	12.5	16.0	5	120	1	250	 **SC-79**
PAM26SD2305	5.0	6.0	9.8	1.0	10	350	1	500	 **SOD-323**

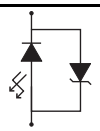
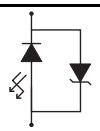
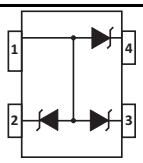
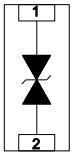
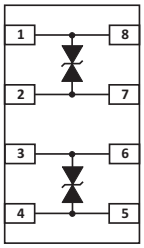
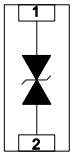
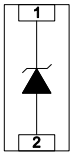
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
PAM27ST2324LC	24.0	26.7	46.0	5.0	1	5	1	500	 SOT-23
PAM2CAN	24.0	25.4	60.0	4.0	0.05	11	2	230	 SOT-23
PAM8S14A	14.0	15.6	23.2	284	10	-	1	6600	 DO-218AB
Not all voltages are shown for the PAM8S Series. Please consult the factory for other voltages.									
PAM8S43A	43.0	47.8	69.4	95.1	10	-	1	6600	
Note: P_{PP} @ 10/1000µs.									
PDLC05	5.0	6.0	9.8	1.0	5	0.8	1	-	 SOT-23
PESD1CAN	24.0	25.4	70.0	3.0	0.05	11	2	200	 SOT-23
PESD1FLEX	24.0	25.4	70.0	3.0	0.05	11	2	200	
PESD1LIN PIN 1 - 2	15.0	17.2	44.0	5.0	0.45	17	1	200	 SOD-323
PIN 2 - 1	24.0	25.5	7.0	3.0	0.45	17	1	200	
PESD2CAN	24.0	25.4	60.0	4.0	0.05	11	2	200	 SOT-23
PLC01-6	6.0	8.0	16.0	200.0	25	50	1	1500	 SO-16(WIDE BODY)
Note: I_{PP} & P_{PP} @ 10/1000µs									

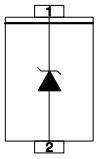
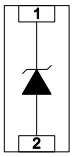
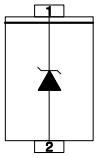
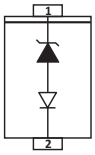
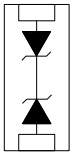
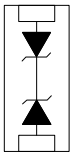
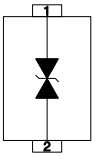
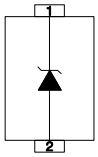
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
PLC03-3.3	3.0	2.8	18.0	100.0	2	25	1	1800	 SO-8
PLC03-3.3-DFN	3.0	2.8	18.0	100.0	2	25	1	1800	 DFN-6
PLC03-3.3LC	3.0	2.8	18.0	100.0	2	6	1	1800	 SO-8
PLC03-6LC	6.0	6.8	20.0	90.0	2.5	6	1	1800	
PLC496	1.0	2.5	12.5	30.0	1	1.25	1	500	 SO-8
PLCDA03	3.3	4.5	7.0	1.0	125	5	2	500	 SO-8
PLCDA05	5.0	6.0	9.8	1.0	20	5	2	500	
PLCDA08	8.0	8.5	13.4	1.0	10	5	2	500	
PLCDA12	12.0	13.3	19.0	1.0	1	5	2	500	
PLCDA15	15.0	16.7	24.0	1.0	1	5	2	500	
PLCDA24	24.0	26.7	43.0	1.0	1	5	2	500	
PLCDA03C-6	3.3	4.5	7.0	1.0	125	8	6	500	 SO-8
PLCDA05C-6	5.0	6.0	9.8	1.0	20	8	6	500	
PLCDA08C-6	8.0	8.5	13.4	1.0	10	8	6	500	
PLCDA12C-6	12.0	13.3	19.0	1.0	2	8	6	500	
PLCDA15C-6	15.0	16.7	24.0	1.0	2	8	6	500	
PLED05F189	5.0	6.0	-	-	10	10	1	-	 DIE
PLED0811PU	8.0	8.5	-	-	1	70	1	-	 DIE
PLED3631X23NB	36.0	40.0	-	-	1	60	-	-	 DIE

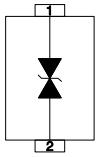
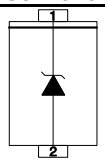
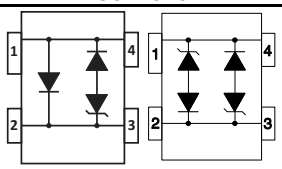
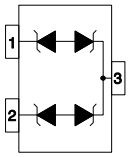
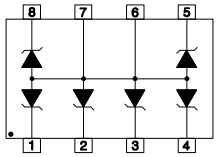
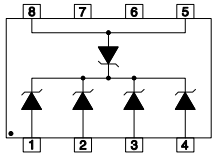
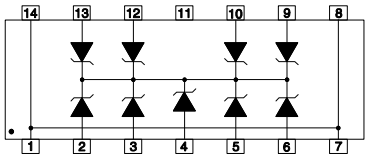
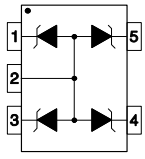
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
PLED508	4.7	5.7	-	-	1	15	-	-	 DIE
PLED508U	5.0	6.0	-	-	0.1	80	-	-	 DIE
PLED511	4.7	5.7	13.0	1.0	1	15	-	-	 DIE
PLED511U	5.0	6.0	-	-	0.5	80	-	-	 DIE
PLR0503	5.0	6.0	12.5	2.0	1	9	1	25	 SOT-143
PLR0521	5.0	6.0	20.0	4.0	1	0.4	1	80	 DFN-2-0402
PLR2512	2.5	2.7	10.2	10.0	0.05	3	2P	100	 DFN-8
PLR3312	3.3	3.5	11.0	10.0	0.05	3	2P	100	
PLR3311	3.3	3.3	8.0	5.0	0.05	5	1	40	 DFN-2
PLW0501D	5.0	6.0	9.8	1.0	1	70	1	150	 DFN-2-0402

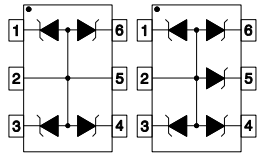
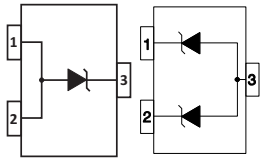
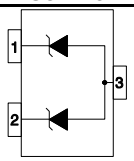
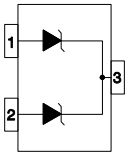
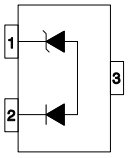
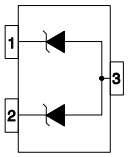
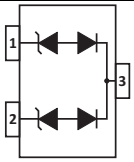
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PLW0501H	5.0	6.0	12.5	16.0	5	120	1	250	 **SC-79**
PLW0501P	5.0	6.0	12.5	16.0	5	120	1	250	 **DFN-2-0402**
PLW1201H	12.0	13.3	24.0	5.0	1	50	1	200	 **SC-79**
PLW2.8	2.8	3.0	5.0	1.0	1	6	1	50	 **SC-79**
PRSB6.8C	4.7	5.7	17.5	3.0	0.5	15	1	50	 **DFN-2-0402**
PRSB6.8CT	4.7	5.7	-	-	1	15	1	10	 **DFN-2-0402**
Note: I_{PP} & P_{PP} @ 10/1000µs.									
PRSB6.8D	4.7	5.7	-	-	1	15	1	10	 **SOD-923**
Note: I_{PP} & P_{PP} @ 10/1000µs.									
PSD03	3.3	4.0	6.5	1.0	125	500	1	500	 **SOD-323**
PSD05	5.0	6.0	9.8	1.0	10	350	1	500	
PSD08	8.0	8.5	13.4	1.0	10	250	1	500	
PSD12	12.0	13.3	19.0	1.0	1	150	1	500	
PSD15	15.0	16.7	24.0	1.0	1	100	1	500	
PSD18	18.0	20.0	29.0	1.0	1	90	1	500	
PSD24	24.0	26.7	43.0	1.0	1	88	1	500	
PSD36	36.0	40.0	60.0	1.0	1	75	1	500	

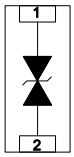
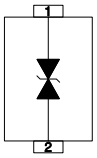
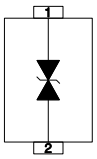
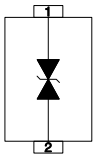
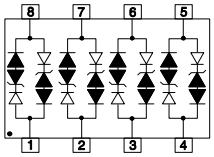
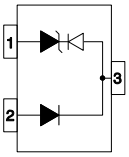
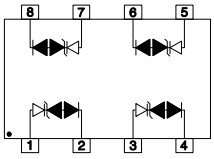
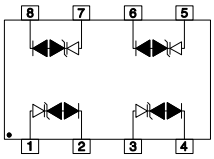
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
PSD03C	3.3	4.0	7.0	1.0	125	200	1	400	 SOD-323
PSD05C	5.0	6.0	9.8	1.0	10	175	1	400	
PSD08C	8.0	8.5	13.4	1.0	10	150	1	400	
PSD12C	12.0	13.3	19.0	1.0	1	50	1	400	
PSD15C	15.0	16.7	24.0	1.0	1	40	1	400	
PSD18C	18.0	20.0	29.0	1.0	1	40	1	400	
PSD24C	24.0	26.7	43.0	1.0	1	40	1	400	
PSD36C	36.0	40.0	60.0	1.0	1	35	1	400	
PSD05HP	5.0	6.0	15.0	72.0	20	800	1	1000	 SOD-323
PSD10HP	10.0	11.0	25.0	45.0	2	500	1	1000	
PSD12HP	12.0	13.3	32.0	34.0	2	440	1	1000	
PSLC03	3.3	4.0	19.0	20.0	125	3	1	350	 SOT-143
PSLC05	5.0	6.0	18.3	17.0	20	3	1	350	
PSLC08	8.0	8.5	18.5	17.0	10	3	1	350	
PSLC12	12.0	13.3	28.6	11.0	1	3	1	350	
PSLC15	15.0	16.6	31.8	10.0	1	3	1	350	
PSLC24	24.0	26.7	56.0	6.0	1	3	1	350	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "PSLC05C".									
PSM712 Pin 3-1, 3-2 Pin 1-3, 2-3	 7.0 12.0	 7.5 13.3	 17.0 30.0	 34.0 30.0	 20 1	 75 75	 1 1	 600 600	 SOT-23
PSMDA05-6	5.0	6.0	18.0	17.0	20	120	5-6	350	 SO-8
PSMDA05C-4	5.0	6.0	19.0	30.0	100	350	4	500	 SO-8
PSMDA12C-4	12.0	13.3	29.0	20.0	1	150	4	500	
PSMDA15C-4	15.0	16.7	32.0	18.0	1	120	4	500	
PSMDA24C-4	24.0	26.7	45.0	13.0	1	100	4	500	
PSMDA05C-8	5.0	6.0	15.4	30.0	100	350	8	450	 SO-14
PSMDA12C-8	12.0	13.4	26.4	17.0	1	150	8	450	
PSMDA15C-8	15.0	16.7	32.4	14.0	1	120	8	450	
PSMDA24C-8	24.0	26.7	45.0	10.0	1	100	8	450	
PSMF05	5.0	6.0	9.5	1.0	10	60	4	100	 SC70-5L

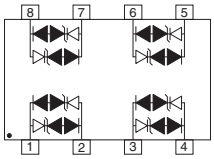
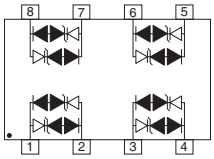
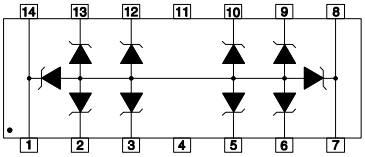
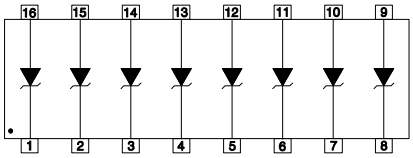
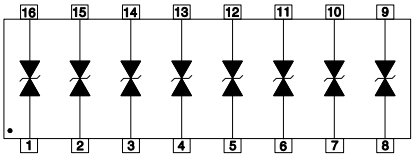
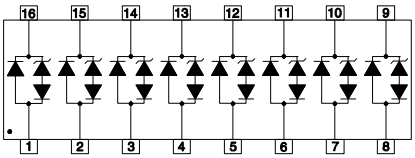
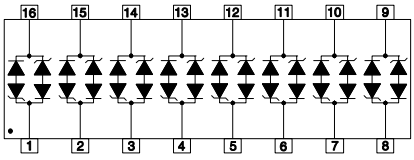
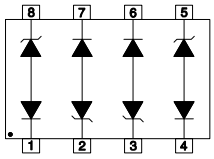
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
PSMS05	5.0	6.0	9.8	1.0	20	150	4-5	350	 SOT-23-6
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "PSMS05C". PSMS05/C Series are identical to SMS05/C Series.									
PSOT03	3.3	4.0	10.9	43.0	125	500	1	500	 SOT-23
PSOT03C	3.3	4.0	10.9	43.0	125	300	1	500	
PSOT05	5.0	6.0	13.5	42.0	20	350	1	500	
PSOT05C	5.0	6.0	13.5	42.0	20	210	1	500	
PSOT08	8.0	8.5	16.9	34.0	10	250	1	500	
PSOT08C	8.0	8.5	16.9	34.0	10	150	1	500	
PSOT12	12.0	13.3	25.9	21.0	2	150	1	500	
PSOT12C	12.0	13.3	25.9	21.0	2	90	1	500	
PSOT15	15.0	16.7	30.0	17.0	1	100	1	500	
PSOT15C	15.0	16.7	30.0	17.0	1	60	1	500	
PSOT24	24.0	26.7	49.0	12.0	1	88	1	500	
PSOT24C	24.0	26.7	49.0	12.0	1	63	1	500	
PSOT36	36.0	40.0	76.8	9.0	1	80	1	500	
PSOT36C	36.0	40.0	76.8	9.0	1	60	1	500	
PSOT05CLP	5.0	6.0	9.8	1.0	10	210	1	300	 SOT-23
PSOT15KCA	12.8	14.3	33.0	9.0	0.1	120	2	300	 SOT-23
PSOT36KCA	33.0	36.0	66.0	6.0	0.1	45	2	300	
PSOT03LC	3.3	4.0	9.0	5.0	125	5	1	500	 SOT-23
PSOT05LC	5.0	6.0	11.0	5.0	20	5	1	500	
PSOT08LC	8.0	8.5	15.0	5.0	10	5	1	500	
PSOT12LC	12.0	13.3	23.0	5.0	1	5	1	500	
PSOT15LC	15.0	16.7	28.0	5.0	1	5	1	500	
PSOT24LC	24.0	26.7	46.0	5.0	1	5	1	500	
PSOT36LC	36.0	40.0	68.0	5.0	1	5	1	500	
PSOT05LCC	5.0	6.0	15.0	20.0	10	120	1-2	300	 SOT-23
PSOT05ULC	5.0	6.0	9.8	1.0	5	0.8	2	250	 SOT-23

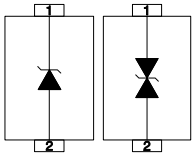
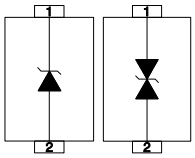
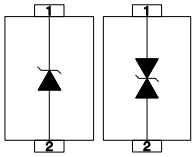
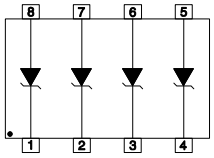
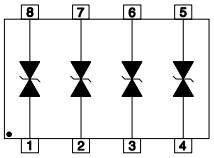
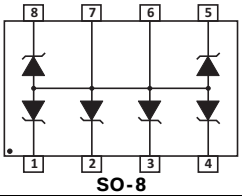
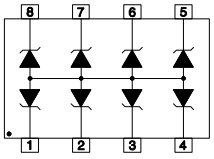
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PSSB05P	5.0	6.0	20.0	1.0	1	0.3	1	20	 **DFN-2-0402**
RSB6.8B	4.7	5.7	-	-	0.5	30	1	10	 **SOD-323**
Note: I_{PP} and P_{PP} @ 10/1000µs, Leakage Current – V_{WM} @ 3.5V									
RSB6.8G	4.7	5.7	-	-	0.5	15	1	10	 **SOD-723**
Note: I_{PP} and P_{PP} @ 10/1000µs, Leakage Current – V_{WM} @ 3.5V									
RSB6.8S	4.7	5.7	-	-	0.5	30	1	10	 **SC-79**
Not: I_{PP} and P_{PP} @ 10/1000µs, Leakage Current – V_{WM} @ 3.5V									
SLVDA2.8LC	2.8	3.0	21.0	30.0	1	5	4P	600	 **SO-8**
SLVU2.8	2.8	3.0	21.0	30.0	1	2.5	1	600	 **SOT-23**
SLVU2.8-4	2.8	3.0	21.0	30.0	1	3	2P	600	 **SO-8**
SLVU2.8-4G	2.8	3.0	18.0	24.0	0.1	2	2P	600	 SO-8

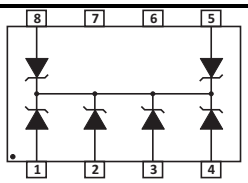
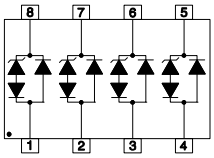
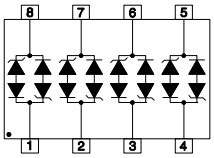
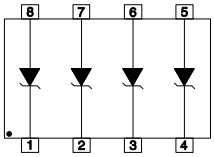
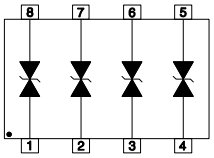
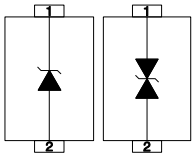
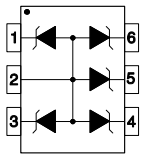
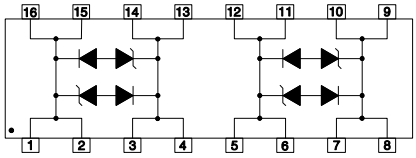
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
SLVU2.8-8	2.8	3.0	17.0	30.0	1	6.0	4P	600	 SO-8
SLVU2.8-8G	2.8	3.0	17.0	30.0	1	3.7	4P	500	 SO-8
SM14M05C	5.0	6.0	17.8	47.0	100	500	8	800	 SO-14
SM14M08C	8.0	8.5	20.1	40.0	10	440	8	800	
SM14M12C	12.0	13.3	26.6	34.0	2	385	8	800	
SM14M15C	15.0	16.7	33.1	25.0	2	300	8	800	
SM14M24C	24.0	26.7	42.1	19.0	2	200	8	800	
SM1603	3.3	4.0	10.9	43.0	125	800	8	500	 SO-16
SM1605	5.0	6.0	13.5	42.0	10	550	8	500	
SM1608	8.0	8.5	16.9	34.0	10	500	8	500	
SM1612	12.0	13.3	25.9	21.0	2	185	8	500	
SM1615	15.0	16.7	30.0	17.0	2	140	8	500	
SM1624	24.0	26.7	49.0	12.0	2	88	8	500	
SM1603C	3.3	4.0	10.9	43.0	125	450	8	500	 SO-16
SM1605C	5.0	6.0	13.5	42.0	10	310	8	500	
SM1608C	8.0	8.5	16.9	34.0	10	280	8	500	
SM1612C	12.0	13.3	25.9	21.0	2	105	8	500	
SM1615C	15.0	16.7	30.0	17.0	2	80	8	500	
SM1624C	24.0	26.7	49.0	12.0	2	50	8	500	
SM16LC03	3.3	4.5	20.0	35.0	125	15	8	500	 SO-16
SM16LC05	5.0	6.0	24.0	42.0	20	15	8	500	
SM16LC08	8.0	8.5	26.0	30.0	10	15	8	500	
SM16LC12	12.0	13.3	33.0	21.0	2	15	8	500	
SM16LC15	15.0	16.7	39.0	15.0	2	15	8	500	
SM16LC24	24.0	26.7	57.0	10.0	2	15	8	500	
SM16LC36	36.0	40.0	72.0	7.0	2	15	8	500	
SM16LC03	3.3	4.5	20.0	35.0	125	15	8	500	 SO-16
SM16LC05	5.0	6.0	24.0	42.0	20	15	8	500	
SM16LC08	8.0	8.5	26.0	30.0	10	15	8	500	
SM16LC12	12.0	13.3	33.0	21.0	2	15	8	500	
SM16LC15	15.0	16.7	39.0	15.0	2	15	8	500	
SM16LC24	24.0	26.7	57.0	10.0	2	15	8	500	
SM16LC36	36.0	40.0	72.0	7.0	2	15	8	500	
SM8LC05	5.0	6.0	24.6	45.0	100	25	2P	800	 SO-8
SM8LC08	8.0	8.5	25.5	40.0	10	25	2P	800	
SM8LC12	12.0	13.3	32.9	34.0	4	25	2P	800	
SM8LC15	15.0	16.7	38.5	27.0	4	25	2P	800	
SM8LC24	24.0	26.7	48.5	22.0	4	25	2P	800	

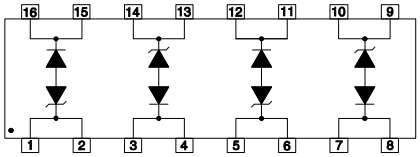
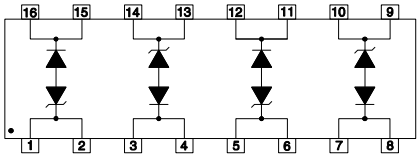
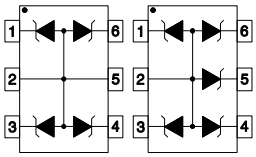
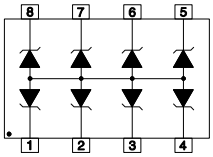
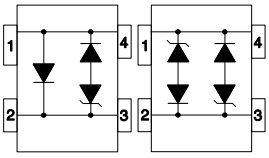
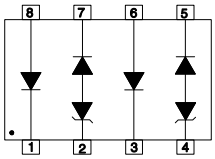
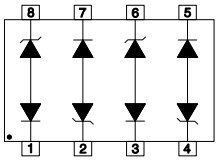
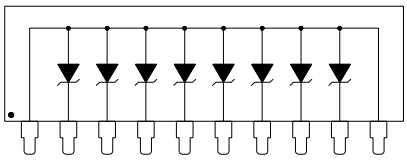
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
SM8S14A	14.0	15.6	23.2	284	10	-	1	6600	
Not all voltages are shown for the SM8S Series. Please consult the factory for other voltages.									
SM8S43A	43.0	47.8	69.4	95.1	10	-	1	6600	**DO-218AB**
Note: P_{PP} @ 10/1000µs.									
SMAJ5.0	5.0	6.40	9.6	41.7	800	-	1	400	
Not all voltages are shown for the SMAJ Series. Please consult the factory for other voltages.									
SMAJ440A	440.0	492.0	713.0	0.6	5	-	1	400	**DO-214AC**
Note: I_{PP} and P_{PP} 10/1000µs									
SMBJ5.0	5.0	6.40	9.6	62.5	800	-	1	600	
Not all voltages are shown for the SMBJ Series. Please consult the factory for other voltages.									
SMBJ440A	440.0	492.0	713.0	0.8	1	-	1	600	**DO-214AA**
Note: I_{PP} and P_{PP} 10/1000µs									
SMCJ5.0	5.0	6.40	9.6	156	800	-	1	1500	
Not all voltages are shown for the SMCJ Series. Please consult the factory for other voltages.									
SMCJ440A	440.0	492.0	713.0	2.1	1	-	1	1500	**DO-214AB**
Note: I_{PP} and P_{PP} 10/1000µs									
SMDA03	3.3	4.0	7.0	5.0	125	800	4	500	
SMDA05	5.0	6.0	10.0	5.0	20	550	4	500	
SMDA08	8.0	8.5	14.0	5.0	10	500	4	500	
SMDA12	12.0	13.3	22.0	5.0	1	185	4	500	
SMDA15	15.0	16.7	27.0	5.0	1	140	4	500	
SMDA24	24.0	26.7	45.0	5.0	1	88	4	500	
SMDA36	36.0	40.0	65.0	5.0	1	80	4	500	**SO-8**
SMDA03C	3.3	4.5	9.0	5.0	125	450	4	500	
SMDA05C	5.0	6.0	10.0	5.0	20	308	4	500	
SMDA08C	8.0	8.5	14.0	5.0	10	300	4	500	
SMDA12C	12.0	13.3	22.0	5.0	1	105	4	500	
SMDA15C	15.0	16.7	27.0	5.0	1	80	4	500	
SMDA24C	24.0	26.7	45.0	5.0	1	50	4	500	
SMDA36C	36.0	40.0	65.0	5.0	1	45	4	500	**SO-8**
SMDA03-6	3.3	4.0	9.0	5.0	75	300	6-7	300	
SMDA05-6	5.0	6.0	11.0	5.0	20	308	6-7	300	
SMDA12-6	12.0	13.3	24.0	5.0	1	185	6-7	300	
SMDA15-6	15.0	16.7	30.0	5.0	1	140	6-7	300	
SMDA24-6	24.0	26.7	55.0	5.0	1	80	6-7	300	**SO-8**
SMDA05CM	5.0	6.0	19.0	30.0	100	350	4-7	500	
SMDA08CM	8.0	8.5	23.7	24.0	10	300	4-7	500	
SMDA12CM	12.0	13.4	29.2	20.0	1	150	4-7	500	
SMDA15CM	15.0	16.7	31.1	18.0	1	100	4-7	500	
SMDA24CM	24.0	26.7	45.0	13.0	1	63	4-7	500	**SO-8**

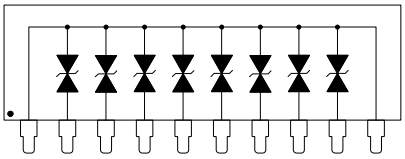
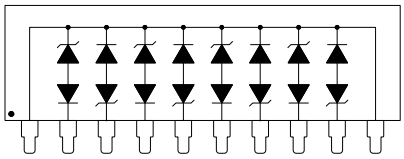
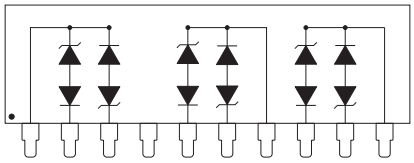
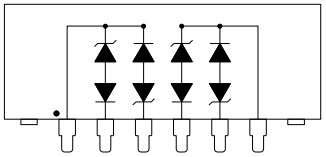
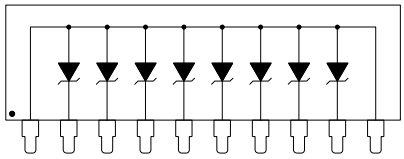
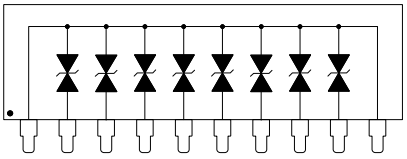
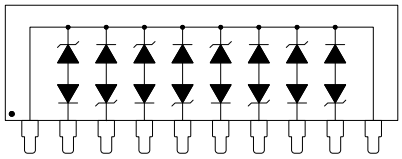
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
SMDA05CN-5	5.0	6.0	19.0	30.0	10	350	5	500	 SO-8
SMDA12CN-5	12.0	13.4	29.0	20.0	1	150	5	500	
SMDA15CN-5	15.0	16.7	31.0	18.0	1	75	5	500	
SMDA24CN-5	24.0	26.7	45.0	13.0	1	63	5	500	
SMDA03LC	3.3	4.5	10.9	43.0	125	15	4	500	 SO-8
SMDA05LC	5.0	6.0	13.5	42.0	20	15	4	500	
SMDA08LC	8.0	8.5	16.9	34.0	10	15	4	500	
SMDA12LC	12.0	13.3	25.9	27.0	10	15	4	500	
SMDA15LC	15.0	16.7	30.0	17.0	1	15	4	500	
SMDA24LC	24.0	26.7	49.0	12.0	1	15	4	500	
SMDA03LCC	3.3	4.5	10.9	43.0	125	15	4	500	 SO-8
SMDA05LCC	5.0	6.0	13.5	42.0	20	15	4	500	
SMDA08LCC	8.0	8.5	16.9	34.0	10	15	4	500	
SMDA15LCC	15.0	16.7	30.0	17.0	1	15	4	500	
SMDA24LCC	24.0	26.7	49.0	12.0	1	15	4	500	
SMDB05	5.0	6.0	24.6	45.0	25	880	4	800	 SO-8
SMDB08	8.0	8.5	25.5	40.0	10	800	4	800	
SMDB12	12.0	13.3	32.9	34.0	2	440	4	800	
SMDB15	15.0	16.7	38.5	27.0	2	400	4	800	
SMDB24	24.0	26.7	48.5	20.0	2	275	4	800	
SMDB05C	5.0	6.0	24.6	45.0	25	493	4	800	 SO-8
SMDB08C	8.0	8.5	25.5	40.0	10	450	4	800	
SMDB12C	12.0	13.3	32.9	34.0	2	248	4	800	
SMDB15C	15.0	16.7	38.5	27.0	2	225	4	800	
SMDB24C	24.0	26.7	48.5	20.0	2	155	4	800	
SMDJ5.0	5.0	6.40	9.6	313	5000	-	1	3000	 DO-214AB
Not all voltages are shown for the SMDJ Series. Please consult the factory for other voltages.									
SMDJ440A	440.0	492.0	713.0	4.2	2	-	1	400	
Note: I_{PP} and P_{PP} 10/1000µs									
SMF05C	5.0	6.0	9.8	5.0	5	60	4-5	100	 SC70-6L
SMF12C	12.0	13.3	18.0	5.0	1	30	4-5	100	
SMF15C	15.0	16.7	22.0	5.0	1	25	4-5	100	
SMF24C	24.0	26.7	50.0	5.0	1	20	4-5	100	
SMLC6.5C-2	6.5	7.2	28.0	150.0	300	30	2P	3900	 SO-16
SMLC12C-2	12.0	13.3	35.0	140.0	2	30	2P	3900	

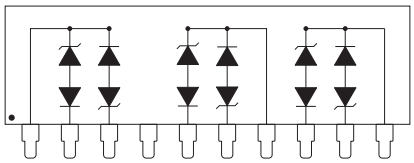
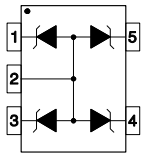
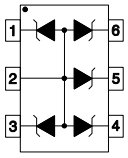
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
SMP6LC05-2P	5.0	6.0	26.0	150	300	15	2P	3900	 SO-16
SMP6LC6.5-2P	6.5	7.2	28.0	150	300	15	2P	3900	
SMP6LC08-2P	8.0	8.6	-	-	25	15	2P	3900	
SMP6LC12-2P	12.0	13.3	35.0	140	2	15	2P	3900	
SMP6LC15-2P	15.0	16.7	50.0	110	2	15	2P	3900	
SMP6LC24-2P	24.0	26.7	57.0	80	2	15	2P	3900	
SMP6LLC05-2P	5.0	6.0	26.0	150.0	300	5	2P	3900	 SO-16
SMP6LLC6.5-2P	6.5	7.2	28.0	150.0	300	5	2P	3900	
SMP6LLC12-2P	12.0	13.3	35.0	140.0	2	5	2P	3900	
SMS05	5.0	6.0	9.8	1.0	20	150	4	350	 SOT-23-6
SMS12	12.0	13.3	19.0	1.0	1	80	4	350	
SMS15	15.0	16.7	24.0	1.0	1	50	4	350	
SMS24	24.0	26.7	40.0	1.0	1	40	4	350	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "SMS05C". PSMSxx/C Series are identical to SMSxx/C Series									
TSMDA05CM	5.0	6.0	19.0	30.0	100	350	4-7	500	 MSOP-8
TSMDA08CM	8.0	8.5	23.7	24.0	10	300	4-7	500	
TSMDA12CM	12.0	13.4	29.2	20.0	1	150	4-7	500	
TSMDA15CM	15.0	16.7	31.1	18.0	1	100	4-7	500	
TSMDA24CM	24.0	26.7	45.0	13.0	1	63	4-7	500	
USB0403	3.3	4.0	19.0	20.0	125	5	1	350	 SOT-143
USB0405	5.0	6.0	18.3	17.0	20	5	1	350	
USB0408	8.0	8.5	18.5	17.0	10	5	1	350	
USB0412	12.0	13.3	28.6	11.0	1	5	1	350	
USB0415	15.0	16.6	31.8	10.0	1	5	1	350	
USB0424	24.0	26.7	56.0	6.0	1	5	1	350	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "USB0415C".									
USB50803	3.3	4.5	11.0	5.0	125	3	1	500	 SO-8
USB50805	5.0	6.0	13.0	5.0	20	3	1	500	
USB50812	12.0	13.3	26.0	5.0	1	3	1	500	
USB50815	15.0	16.7	32.0	5.0	1	3	1	500	
USB50824	24.0	26.7	57.0	5.0	1	3	1	500	
USB50803C	3.3	4.5	11.0	5.0	125	3	1	500	 SO-8
USB50805C	5.0	6.0	13.0	5.0	20	3	1	500	
USB50812C	12.0	13.3	26.0	5.0	1	3	1	500	
USB50815C	15.0	16.7	32.0	5.0	1	3	1	500	
USB50824C	24.0	26.7	57.0	5.0	1	3	1	500	
VS10P05	5.0	6.0	12.5	10.0	100	880	8	800	 10 PIN VSIP
VS10P08	8.0	8.5	16.6	10.0	10	800	8	800	
VS10P12	12.0	13.3	22.7	10.0	1	440	8	800	
VS10P15	15.0	16.7	28.5	10.0	1	-	8	800	
VS10P24	24.0	26.7	45.6	10.0	1	-	8	800	

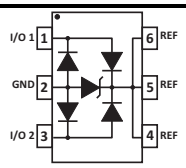
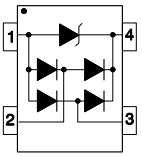
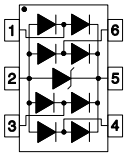
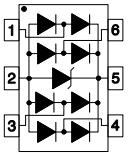
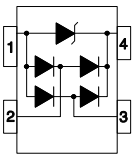
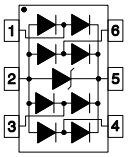
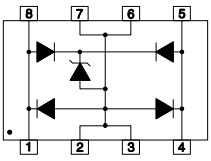
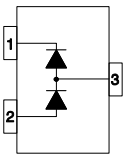
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
VS10P05C	5.0	6.0	12.5	10.0	100	500	8	800	 10 PIN VSIP
VS10P08C	8.0	8.5	16.6	10.0	10	-	8	800	
VS10P12C	12.0	13.3	22.7	10.0	1	-	8	800	
VS10P15C	15.0	16.7	28.5	10.0	1	-	8	800	
VS10P24C	24.0	26.7	45.6	10.0	1	275	8	800	
VS10P03LC	3.3	4.5	9.0	5.0	125	15	4	300	 10 PIN VSIP
VS10P05LC	5.0	6.0	12.5	10.0	100	25	4	800	
VS10P08LC	8.0	8.5	16.6	10.0	10	25	4	800	
VS10P12LC	12.0	13.3	22.7	10.0	1	25	4	800	
VS10P15LC	15.0	16.7	28.5	10.0	1	25	4	800	
VS10P24LC	24.0	26.7	45.6	10.0	1	25	4	800	
VS10P05LCI	5.0	6.0	12.5	10.0	100	25	3	800	 10 PIN VSIP
VS10P08LCI	8.0	8.5	16.6	10.0	10	25	3	800	
VS10P12LCI	12.0	13.3	22.7	10.0	1	25	3	800	
VS10P15LCI	15.0	16.7	28.5	10.0	1	25	3	800	
VS10P24LCI	24.0	26.7	45.6	10.0	1	25	3	800	
VSB06P05LCI	5.0	6.0	16.5	36.0	300	50	2	600	 6 PIN VSIP
Note: I_{PP} and P_{PP} @ 10/1000µs									
VSB10P05	5.0	6.0	9.1	10.0	300	4000	8	3400	 10 PIN VSIP
VSB10P08	8.0	8.5	12.0	10.0	200	-	8	3400	
VSB10P12	12.0	13.3	18.8	10.0	2	-	8	3400	
VSB10P15	15.0	16.7	23.6	10.0	2	-	8	3400	
VSB10P24	24.0	26.7	37.8	10.0	2	1250	8	3400	
VSB10P28	28.0	31.1	44.0	10.0	2	-	8	3400	
VSB10P33	33.0	36.7	51.9	10.0	2	-	8	3400	
VSB10P36	36.0	40.0	56.6	10.0	2	-	8	3400	
VSB10P05C	5.0	6.0	9.1	10.0	300	2000	8	3400	 10 PIN VSIP
VSB10P08C	8.0	8.5	12.0	10.0	200	-	8	3400	
VSB10P12C	12.0	13.3	18.8	10.0	2	-	8	3400	
VSB10P15C	15.0	16.7	23.6	10.0	2	-	8	3400	
VSB10P24C	24.0	26.7	37.8	10.0	2	1250	8	3400	
VSB10P28C	28.0	31.1	44.0	10.0	2	-	8	3400	
VSB10P33C	33.0	36.7	51.9	10.0	2	400	8	3400	
VSB10P36C	36.0	40.0	56.6	10.0	2	-	8	3400	
VSB10P05LC	5.0	6.0	9.1	10.0	300	100	4P	3400	 10 PIN VSIP
VSB10P08LC	8.0	8.5	12.0	10.0	200	100	4P	3400	
VSB10P12LC	12.0	13.3	18.8	10.0	2	100	4P	3400	
VSB10P15LC	15.0	16.7	23.6	10.0	2	100	4P	3400	
VSB10P24LC	24.0	26.7	37.8	10.0	2	100	4P	3400	
VSB10P28LC	28.0	31.1	44.0	10.0	2	100	4P	3400	
VSB10P33LC	33.0	36.7	51.9	10.0	2	100	4P	3400	
VSB10P36LC	36.0	40.0	56.6	10.0	2	100	4P	3400	

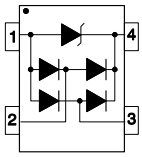
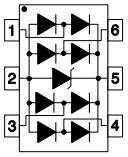
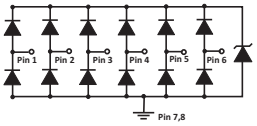
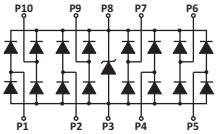
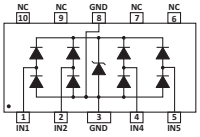
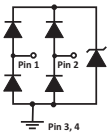
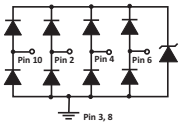
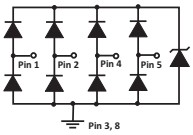
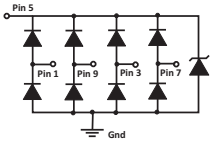
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
VSB10P05LCI	5.0	6.0	9.1	10.0	300	100	3P	3400	 **10 PIN VSIP**
VSB10P08LCI	8.0	8.5	12.0	10.0	200	100	3P	3400	
VSB10P12LCI	12.0	13.3	18.8	10.0	2	100	3P	3400	
VSB10P15LCI	15.0	16.7	23.6	10.0	2	100	3P	3400	
VSB10P24LCI	24.0	26.7	37.8	10.0	2	100	3P	3400	
VSB10P28LCI	28.0	31.1	44.0	10.0	2	100	3P	3400	
VSB10P33LCI	33.0	36.7	51.9	10.0	2	100	3P	3400	
VSB10P36LCI	36.0	40.0	56.6	10.0	2	100	3P	3400	
VSMF05LC	5.0	6.0	12.0	2.0	1	9	4	25	 **SOT-953**
Note: Also available in SOT-553 package configuration, part number MSMF05LC									
VSMF05LCC	5.0	6.0	12.0	2	1	9	4-5	25	 **SOT-963**
Note: Also available in SOT-563 package configuration, part number MSMF05LC									

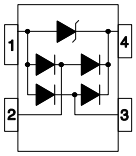
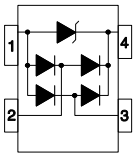
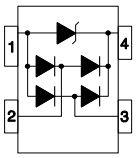
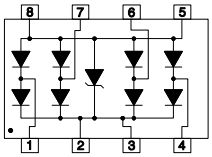
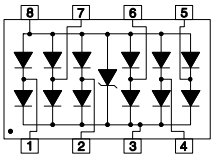
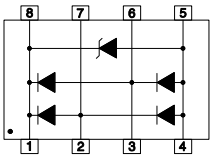
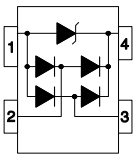
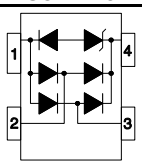
STEERING DIODE/TVS COMBO

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE $C_{J(SD)}$ - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
DSL03-24	24.0	26.0	55.0	15.0	0.1	5.0	2	500	 SOT-23-6
PAM04ST430502	5.0	6.0	20.0	10.0	1	0.6	2	200	 SOT-543
PAM05SC700504F	5.0	6.0	25.0	5.0	3	1.9	4	200	 SC70-6L
PAM13ST2305	5.0	6.0	15.0	5.0	5	3.5	4	500	 SOT-23-6
PAM15ST4305	5.0	6.0	20.0	28.0	5	10	2	500	 SOT-143
PAZC099	5.0	6.0	12.0	1.0	0.5	0.5	4	100	 SOT-23-6
PLC03-6	6.0	6.8	20.0	100.0	25	8	2	2000	 SO-8
PLC497	1.0	1.3	5.0	5.0	20	2.5	1	200	 SOT-23

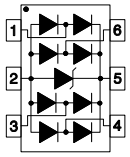
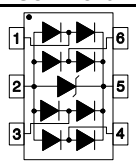
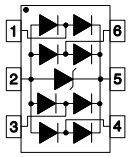
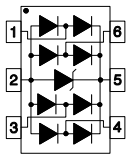
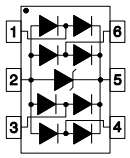
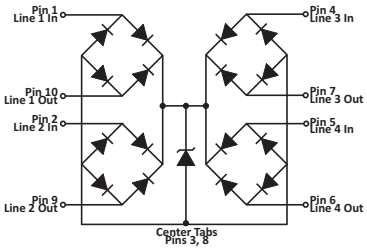
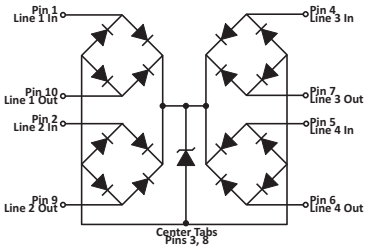
STEERING DIODE/TVS COMBO

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE $C_{J(SD)}$ - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PLR0502	5.0	6.0	20.0	10.0	1	0.6	2	200	 **SOT-543**
PLR0504F	5.0	6.0	25.0	5.0	3	1.9	4	200	 **SC70-6L**
PLR0506	5.0	6.0	18.0	4.0	3	0.8	6	72	 **DFN-8**
PLR0508	5.0	6.0	13.0	5.0	1	1.6	8	200	 **DFN-10**
PLR0514LC	5.0	6.0	12.0	1.0	1	0.20	4	150	 **DFN-10**
PLR0522	5.0	6.0	16.5	4.0	0.5	0.8	2	60	 **DFN-6**
PLR0524	5.0	6.0	12.0	1.0	0.5	0.7	4	150	 **DFN-10**
PLR0524P	5.0	6.0	16.5	4.0	0.5	0.8	4	60	 **DFN-10**
PLR3304	3.3	3.3	10.0	10.0	0.1	4.0	4	400	 **DFN-10**

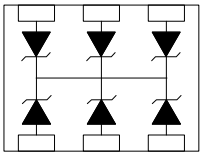
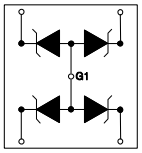
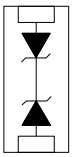
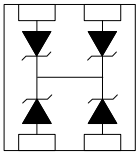
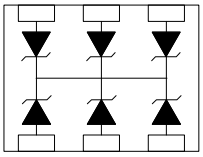
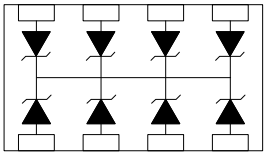
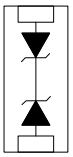
STEERING DIODE/TVS COMBO

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE $C_{J(SD)}$ - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PSR05	5.0	6.0	20.0	28.0	5	10	2	500	 SOT-143
PSR05LC	5.0	6.0	20.0	28.0	5	2.5	2	500	 SOT-143
PSR3.3	3.3	-	15.0	10.0	1	0.6	2	150	 SOT-143
PSRDA3.3-4	3.3	4.0	6.5	1.0	125	5	4	500	 SO-8
PSRDA05-4	5.0	6.0	9.8	1.0	20	5	4	500	
PSRDA12-4	12.0	13.3	19.0	1.0	1	5	4	500	
PSRDA15-4	15.0	16.7	24.0	1.0	1	5	4	500	
PSRDA3.3-6	3.3	4.0	6.5	1.0	125	5	6	500	 SO-8
PSRDA05-6	5.0	6.0	9.8	1.0	20	5	6	500	
PUSB6B	5.25	6.0	13.2	35.0	10	15	2	500	 SO-8
SR12	12.0	13.3	30.0	16.0	1	10	2	500	 SOT-143
SR2.8	2.8	3.0 @ 2µA	8.5	5.0	1	4.5	2	300	 SOT-143
SR3.3	3.3	3.3 @ 2µA	15.0	10.0	1	4.5	2	300	

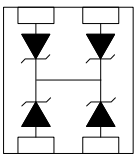
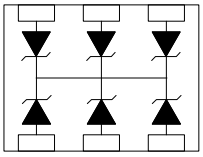
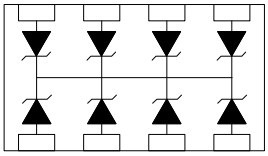
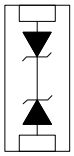
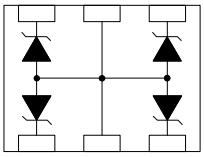
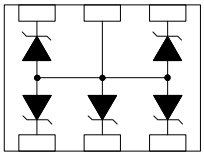
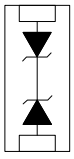
STEERING DIODE/TVS COMBO

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE $C_{J(SD)}$ - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
SRV05-4	5.0	6.0	15.0	5.0	5	3.5	4	500	 SOT-23-6
SRV05-4-A	5.0	6.0	21.0	12.0	1	3.0	4	250	 SOT-23-6
SRV05-4LC	5.0	6.0	15.0	5.0	5	0.7	4	500	 SOT-23-6
SRV05-4M	5.0	6.0	14.0	5.0	5	4.5	4	400	 SOT-23-6
SRV2.8-4	2.8	3.0	8.5	5.0	5	3.5	4	600	 SOT-23-6
SRV25-4	2.5	3.0	7.4	10.0	0.5	3.5	4	800	 DFN-10
SRV25-4LC	2.5	3.0	7.4	10.0	0.1	1.0	4	400	 DFN-10

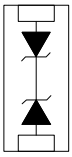
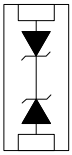
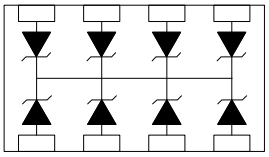
FLIP CHIP ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @ 8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_T - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
CSP040605C	5.9	6.0	13.0	15.0	10	35	3-5	200	 **0406 CHIP SCALE PACKAGE**
ESD4-LFC	5.0	6.0	8.0	0.01	0.1 @ 3.3V	15	4	-	 **5 BUMP FLIP CHIP**
Note: Capacitance measured @ 2.5V, 1MHz									
LC0402FC3.3C	3.3	4.0	12.5	16.0	75	70	1	200	 **0402**
LC0402FC05C	5.9	6.0	13.0	15.0	10	35	1	200	
LC0402FC08C	8.0	8.5	18.0	11.0	1	32	1	200	
LC0402FC12C	12.0	13.3	26.9	7.4	1	30	1	200	
LC0402FC15C	15.0	16.7	34.5	5.8	1	25	1	200	
LC0402FC24C	24.0	26.7	50.6	4.0	1	20	1	200	
LC0402FC36C	36.0	40.0	80.0	2.5	1	18	1	200	
LC0404FC3.3C	3.3	4.0	12.5	16.0	75	70	1-3	200	 **0404**
LC0404FC05C	5.9	6.0	13.0	15.0	10	35	1-3	200	
LC0404FC08C	8.0	8.5	18.0	11.0	1	32	1-3	200	
LC0404FC12C	12.0	13.3	26.9	7.4	1	30	1-3	200	
LC0404FC15C	15.0	16.7	34.5	5.8	1	25	1-3	200	
LC0404FC24C	24.0	26.7	50.6	4.0	1	20	1-3	200	
LC0404FC36C	36.0	40.0	80.0	2.5	1	18	1-3	200	
LC0406FC3.3C	3.3	4.0	12.5	16.0	75	70	3-5	200	 **0406**
LC0406FC05C	5.9	6.0	13.0	15.0	10	35	3-5	200	
LC0406FC08C	8.0	8.5	18.0	11.0	1	32	3-5	200	
LC0406FC12C	12.0	13.3	26.9	7.4	1	30	3-5	200	
LC0406FC15C	15.0	16.7	34.5	5.8	1	25	3-5	200	
LC0406FC24C	24.0	26.7	50.6	4.0	1	20	3-5	200	
LC0406FC36C	36.0	40.0	80.0	2.5	1	18	3-5	200	
LC0408FC3.3C	3.3	4.0	12.5	16.0	75	70	4-7	200	 **0408**
LC0408FC05C	5.9	6.0	13.0	15.0	10	35	4-7	200	
LC0408FC08C	8.0	8.5	18.0	11.0	1	32	4-7	200	
LC0408FC12C	12.0	13.3	26.9	7.4	1	30	4-7	200	
LC0408FC15C	15.0	16.7	34.5	5.8	1	25	4-7	200	
LC0408FC24C	24.0	26.7	50.6	4.0	1	20	4-7	200	
LC0408FC36C	36.0	40.0	80.0	2.5	1	18	4-7	200	
Note: Maximum leakage current <5µA @ 2.8V for LC040xFC3.3C and <500nA @ 3.3V for LC040xFC05C.									
P0402FC3.3C	3.3	4.0	12.5	20.0	75	150	1	250	 **0402**
P0402FC05C	5.0	6.0	14.7	17.0	10	100	1	250	
P0402FC08C	8.0	8.5	19.2	13.0	10	75	1	250	
P0402FC12C	12.0	13.3	29.7	9.0	1	50	1	250	
P0402FC15C	15.0	16.7	35.7	7.0	1	40	1	250	
P0402FC24C	24.0	26.7	55.0	5.0	1	30	1	250	
P0402FC36C	36.0	40.0	84.0	3.0	1	25	1	250	

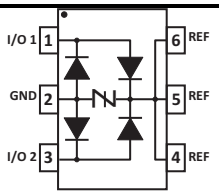
FLIP CHIP ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @ 8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_T - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
P0404FC3.3C	3.3	4.0	12.5	20.0	75	150	1-3	250	 **0404**
P0404FC05C	5.0	6.0	14.7	17.0	10	100	1-3	250	
P0404FC08C	8.0	8.5	19.2	13.0	10	75	1-3	250	
P0404FC12C	12.0	13.3	29.7	9.0	1	50	1-3	250	
P0404FC15C	15.0	16.7	35.7	7.0	1	40	1-3	250	
P0404FC24C	24.0	26.7	55.0	5.0	1	30	1-3	250	
P0404FC36C	36.0	40.0	84.0	3.0	1	25	1-3	250	
P0406FC3.3C	3.3	4.0	12.5	20.0	75	150	3-5	250	 **0406**
P0406FC05C	5.0	6.0	14.7	17.0	10	100	3-5	250	
P0406FC08C	8.0	8.5	19.2	13.0	10	75	3-5	250	
P0406FC12C	12.0	13.3	29.7	9.0	1	50	3-5	250	
P0406FC15C	15.0	16.7	35.7	7.0	1	40	3-5	250	
P0406FC24C	24.0	26.7	55.0	5.0	1	30	3-5	250	
P0406FC36C	36.0	40.0	84.0	3.0	1	25	3-5	250	
P0408FC3.3C	3.3	4.0	12.5	20.0	75	150	4-7	250	 **0408**
P0408FC05C	5.0	6.0	14.7	17.0	10	100	4-7	250	
P0408FC08C	8.0	8.5	19.2	13.0	10	75	4-7	250	
P0408FC12C	12.0	13.3	29.7	9.0	1	50	4-7	250	
P0408FC15C	15.0	16.7	35.7	7.0	1	40	4-7	250	
P0408FC24C	24.0	26.7	55.0	5.0	1	30	4-7	250	
P0408FC36C	36.0	40.0	84.0	3.0	1	25	4-7	250	
Note: P040xFC Series are patented under U.S. Patent No. Des. D456,367S. Maximum Leakage current < 5µA @ 2.8V for P040xFC3.3C, <500nA @ 3.3V for P040xFC05C and < 200nA @ 5V for P040xFC08C.									
PKFC3.3C	3.3	4.0	12.5	20.0	75	150	1	250	 **E0503**
PKFC05C	5.0	6.0	14.7	17.0	10	100	1	250	
PKFC08C	8.0	8.5	19.2	13.0	10	75	1	250	
PKFC12C	12.0	13.3	29.7	9.0	1	50	1	250	
PKFC15C	15.0	16.7	35.7	7.0	1	40	1	250	
PKFC24C	24.0	26.7	55.0	5.0	1	30	1	250	
PKFC36C	36.0	40.0	84.0	3.0	1	25	1	250	
Note: Maximum Leakage current < 5µA @ 2.8V for PKFC3.3C, <500nA @ 3.3V for PKFC05C and < 200nA @ 5V for PKFC08C.									
SFC05-4	5.0	6.0	11.0	24.0	10	150	4	300	 **QUAD**
Note: Capacitance ratings reflect junction capacitance.									
SFC05-5	5.0	6.0	11.0	24.0	10	150	4-5	250	 **PENTA**
Note: Capacitance ratings reflect junction capacitance.									
U0402FC3.3C	3.3	4.0	12.5	20.0	75	150	1	250	 **U0402**
U0402FC05C	5.0	6.0	14.7	17.0	10	100	1	250	
U0402FC08C	8.0	8.5	19.2	13.0	10	75	1	250	
U0402FC12C	12.0	13.3	29.7	9.0	1	50	1	250	
U0402FC15C	15.0	16.7	35.7	7.0	1	40	1	250	
U0402FC24C	24.0	26.7	55.0	5.0	1	30	1	250	
U0402FC36C	36.0	40.0	84.0	3.0	1	25	1	250	
Note: Maximum Leakage current < 5µA @ 2.8V for U0404FC3.3C, <500nA @ 3.3V for U0402FC05C and < 200nA @ 5V for U0402FC08C.									

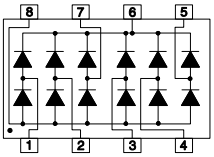
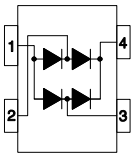
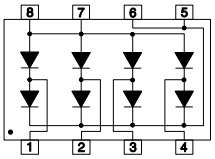
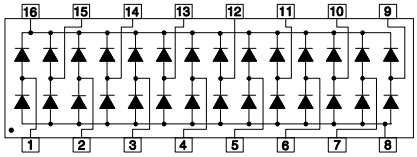
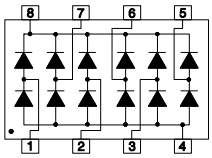
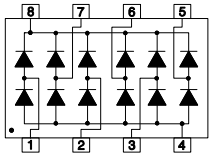
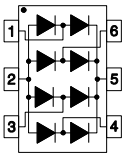
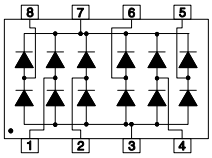
FLIP CHIP ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @ 8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_T - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	PIN CONFIGURATION
ULC0402FC3.3C	3.3	4.0	12.5	16.0	75	70	1	200	 U0402
ULC0402FC05C	5.9	6.0	13.0	15.0	10	35	1	200	
ULC0402FC08C	8.0	8.5	18.0	11.0	1	32	1	200	
ULC0402FC12C	12.0	13.3	26.9	7.4	1	30	1	200	
ULC0402FC15C	15.0	16.7	34.5	5.8	1	25	1	200	
ULC0402FC24C	24.0	26.7	50.6	4.0	1	20	1	200	
ULC0402FC36C	36.0	40.0	80.0	2.5	1	18	1	200	
Note: Maximum Leakage current < 5µA @ 2.8V for ULC0404FC3.3C and <500nA @ 3.3V for ULC0402FC05C.									
ULLC0402FC05C	5.0	6.0	-	-	1	6	1	-	 U0402
ULLC0408FC05C	5.0	6.0	1	1	5	6	4	-	 U0408

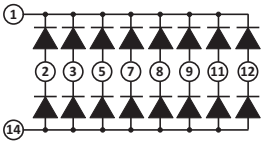
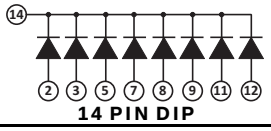
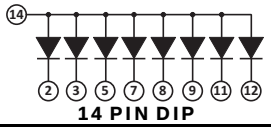
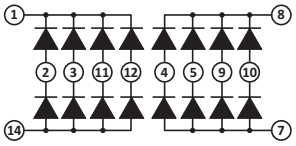
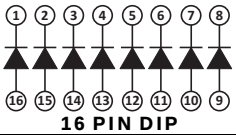
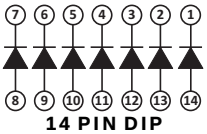
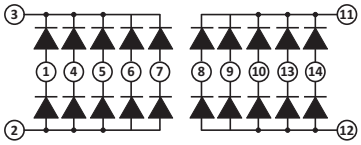
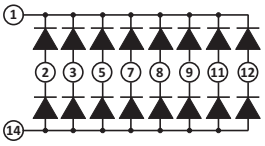
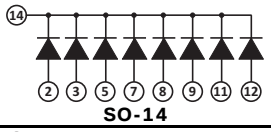
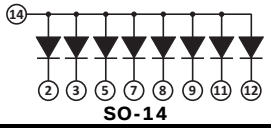
TVS/THYRISTOR COMBO

PART NUMBER	MIN. STAND-OFF VOLTAGE – V_{DRM}	MAX. SWITCHING VOLTAGE – V_S	TYP. HOLDING CURRENT – mA I_H	MIN. SWITCHING CURRENT – mA I_S	MAX .LEAKAGE CURRENT - µA @ V_{DRM}	TYP. CAPACITANCE C_J - pF	NUMBER OF LINES	PIN CONFIGURATION
DSL03-24T	19	29	40	10	0.01	3.0	2	 SOT-23-6

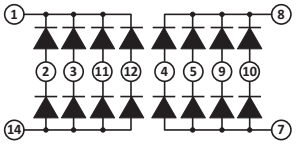
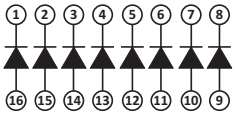
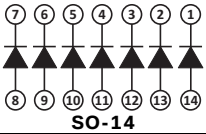
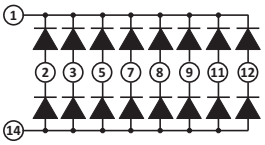
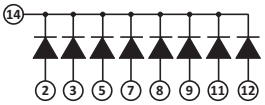
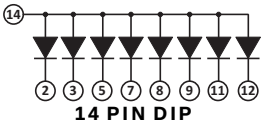
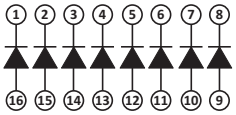
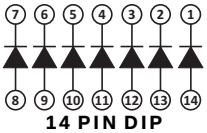
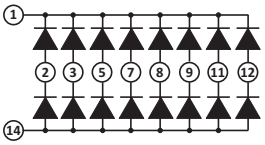
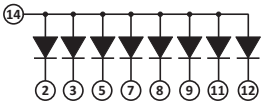
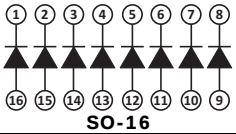
STEERING DIODES

PART NUMBER	REPETITIVE PEAK REV. VOLT. - V_{RRM}	FORWARD PEAK PULSE CURRENT - A	FORWARD VOLTAGE V_F @ I_F	LEAKAGE CURRENT - µA @ V_{RRM}	CAPACITANCE C_J - pF	NUMBER OF LINES	PIN CONFIGURATION
DALC112S1	20.0	12.0	1.3 @ 50mA	0.02 @ 18V	5	6	 SO-8
DSL70	50.0	27.0	1.5 @ 1A	0.005	5	2	 SOT-143
ET108	25.0	12.0	9 @ 12A	2	6	4	 SO-8
ET720	30.0	12.0	2 @ 1A	0.02 @ 20V	3	14	 SO-16
ET721	50.0	12.0	2 @ 1A	0.02	3	6	 SO-8
ET723	20.0	12.0	2 @ 1A	0.02	5	6	 SO-8
ET724	20.0	12.0	2 @ 1A	0.01	3	4	 SOT-23-6
IO6LC	30.0	3.5	0.95 @ 20mA	0.1 @ 5.5V	3	6	 SO-8

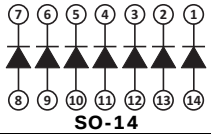
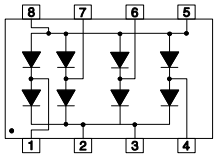
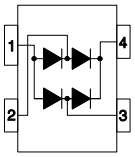
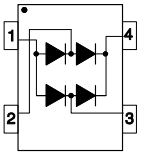
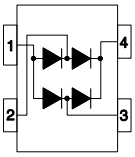
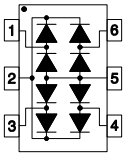
STEERING DIODES

PART NUMBER	REPETITIVE PEAK REV. VOLT. - V_{RRM}	FORWARD PEAK PULSE CURRENT - A	FORWARD VOLTAGE V_F @ I_F	LEAKAGE CURRENT - µA @ V_{RRM}	CAPACITANCE C_J - pF	NUMBER OF LINES	PIN CONFIGURATION
MAD1103	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 14 PIN DIP
MAD1105	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 14 PIN DIP
MAD1106	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 14 PIN DIP
MAD1107	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 14 PIN DIP
MAD1108	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 16 PIN DIP
MAD1109	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	7	 14 PIN DIP
MMAD130	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 SO-14
MMAD1103	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 SO-14
MMAD1105	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 SO-14
MMAD1106	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 SO-14

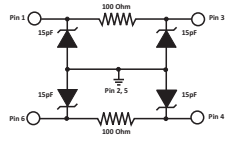
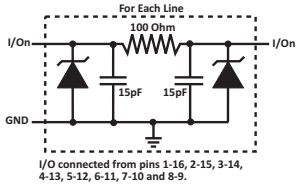
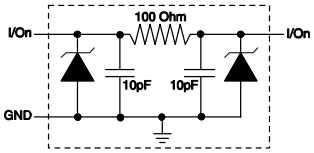
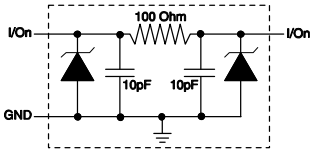
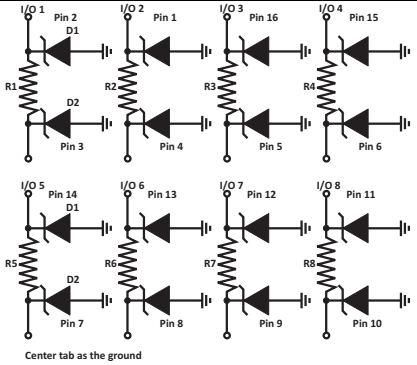
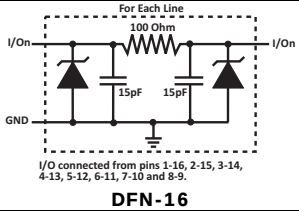
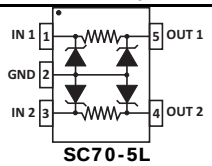
STEERING DIODES

PART NUMBER	REPETITIVE PEAK REV. VOLT. - V_{RRM}	FORWARD PEAK PULSE CURRENT - A	FORWARD VOLTAGE V_F @ I_F	LEAKAGE CURRENT - µA @ V_{RRM}	CAPACITANCE C_J - pF	NUMBER OF LINES	PIN CONFIGURATION
MMAD1107	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 SO-14
MMAD1108	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 SO-16
MMAD1109	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 SO-14
PMAD1103	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 14 PIN DIP
PMAD1105	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 14 PIN DIP
PMAD1106	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 14 PIN DIP
PMAD1108	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 16 PIN DIP
PMAD1109	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	7	 14 PIN DIP
PMMAD1103	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 SO-14
PMMAD1106	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 SO-14
PMMAD1108	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 SO-16

STEERING DIODES

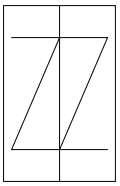
PART NUMBER	REPETITIVE PEAK REV. VOLT. - V_{RRM}	FORWARD PEAK PULSE CURRENT - A	FORWARD VOLTAGE V_F @ I_F	LEAKAGE CURRENT - µA @ V_{RRM}	CAPACITANCE C_J - pF	NUMBER OF LINES	***PIN CONFIGURATION***
PMMAD1109	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	7	 SO-14
PSRDA70-4	70.0	24.0	1.1 @ 100mA	5	6	4	 SO-8
SR70	70.0	30.0	1.5 @ 1A	1	5	2	 SOT-143
USB002	20.0	12.0	1.4 @ 10mA	1 @ 5V	0.6	2	 SOT-543
USB004	20.0	12.0	0.95 @ 20mA	1 @ 5V	6.0	2	 SOT-143
USB208	20.0	12.0	1.2 @ 50mA	1 @ 5V	5	4	 SOT-23-6

EMI FILTER/TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$ @ 1 mA	REVERSE LEAKAGE CURRENT - µA @ V_{WM}	RESISTANCE ±20% - OHMS	CUT-OFF FREQUENCY – MHz (50 Ohm System)	CAPACITANCE C_T - pF	NUMBER OF LINES	PIN CONFIGURATION
EM02-100	5.0	6.0	0.1	100	110	30	2	 SOT-563
EM1631-08DSLP	5.0	6.0	0.1	100	110	30	8	 DFN-16SLP
EM4D-100L	5.0	6.0	0.1 @ 3V	100	150	20	4	 DFN-8/LP
EM4DLP-100L	5.0	6.0	0.1 @ 3V	100	150	20	4	
EM8D-100L	5.0	6.0	0.1 @ 3V	100	150	20	8	 DFN-16/LP/SLP
EM8DLP-100L	5.0	6.0	0.1 @ 3V	100	150	20	8	
EM8DSPL-100L	5.0	6.0	0.1 @ 3V	100	150	20	8	
EM8Q-100	5.0	6.0	0.1 @ 3V	100	150	20	8	 QFN-16
PAM24DF1605	5.0	6.0	0.1 @ 3V	100	110	30	8	 DFN-16
STF701	5.0	6.0	1.0 @ 3.3V	-	-	160	2	 SC70-5L

THYRISTORS

PART NUMBER	REPETITIVE PEAK OFF-STATE VOLTAGE – V_{DRM}	SWITCHING VOLTAGE – V_S	MINIMUM HOLDING CURRENT – mA I_H	SWITCHING CURRENT – mA I_S	MAX. OFF-STATE CURRENT - µA @ V_{DRM}	MAX. ON-STATE VOLTAGE - V_T	ON-STATE CURRENT – A I_T	CAPACITANCE C_T - pF	PIN CONFIGURATION
PP0640SA	58	77	150	800	5	4	2.2	60	
PP0720SA	65	88	150	800	5	4	2.2	60	
PP0800SA	75	98	150	800	5	4	2.2	60	
PP1100SA	90	130	150	800	5	4	2.2	60	
PP1300SA	120	160	150	800	5	4	2.2	40	
PP1500SA	140	180	150	800	5	4	2.2	40	
PP1800SA	160	220	150	800	5	4	2.2	40	
PP2300SA	190	260	150	800	5	4	2.2	30	
PP2600SA	220	300	150	800	5	4	2.2	30	
PP3100SA	275	350	150	800	5	4	2.2	30	
PP3500SA	300	400	150	800	5	4	2.2	30	
PP0300SB	25	40	50	800	5	4	2.2	110	
PP0640SB	58	77	150	800	5	4	2.2	60	
PP0720SB	65	88	150	800	5	4	2.2	60	
PP0800SB	75	98	150	800	5	4	2.2	60	
PP1100SB	90	130	150	800	5	4	2.2	60	
PP1300SB	120	160	150	800	5	4	2.2	40	
PP1500SB	140	180	150	800	5	4	2.2	40	
PP1800SB	160	220	150	800	5	4	2.2	40	
PP2300SB	190	260	150	800	5	4	2.2	30	
PP2600SB	220	300	150	800	5	4	2.2	30	
PP3100SB	275	350	150	800	5	4	2.2	30	
PP3500SB	300	400	150	800	5	4	2.2	30	
PP0300SC	25	40	50	800	5	4	2.2	60	
PP0640SC	58	77	150	800	5	4	2.2	120	
PP0720SC	65	88	150	800	5	4	2.2	120	
PP0800SC	75	98	150	800	5	4	2.2	120	
PP1100SC	90	130	150	800	5	4	2.2	120	
PP1300SC	120	160	150	800	5	4	2.2	80	
PP1500SC	140	180	150	800	5	4	2.2	80	
PP1800SC	160	220	150	800	5	4	2.2	80	
PP2300SC	190	260	150	800	5	4	2.2	60	
PP2600SC	220	300	150	800	5	4	2.2	60	
PP3100SC	275	350	150	800	5	4	2.2	60	
PP3500SC	300	400	150	800	5	4	2.2	60	



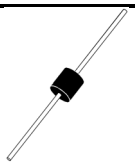
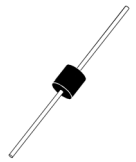
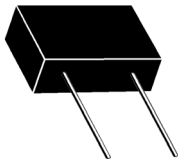
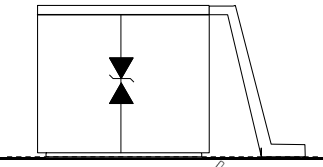
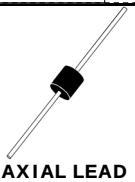
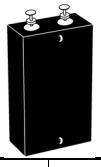
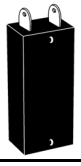
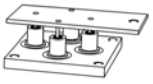
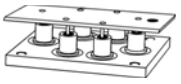
DO-214AA

SURGE RATINGS

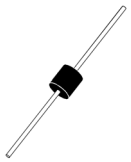
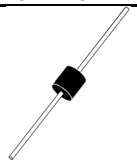
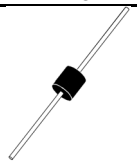
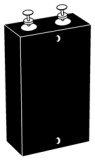
SERIES	I_{PP} 2 X 10µs AMPS	I_{PP} 8 X 20µs AMPS	I_{PP} 10 X 160µs AMPS	I_{PP} 10 X 560µs AMPS	I_{PP} 10 X 1000µs AMPS	I_{TSM} 60 Hz AMPS	di/dt AMPS/µs (Note 1)	dv/dt V/µs (Note 1)
SA	150	150	100	50	50	20	500	2000
SB	300	300	150	100	80	32	500	2000
SC	500	400	200	200	100	60	500	2000

Note 1: Critical Rate of Rise for On-State Current (di/dt) and Off-State Voltage (dv/dt).

MODULES – COMPONENTS (NOT ROHS COMPLIANT)

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - kW	***PACKAGE***
1.5KE6.8	5.5	6.12	10.8	139.0	1000	1.5	
Not all voltages show for the 1.5KE Series. Please consult the factory for other voltages.							
1.5KE600A	513.0	570.0	828.0	1.8	1	1.5	**AXIAL LEAD**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 1.5KE520CA.							
15KP17	17.0	18.9	32.3	464.0	5000	15	 **AXIAL LEAD (KPA Series)**  **THRU-HOLE (KP Series)**
Not all voltages show for the 15KP Series. Please consult the factory for other voltages.							
15KP280A	280.0	311.0	452.0	33.0	10	15	
15KPA17	17.0	18.9	32.3	464.0	5000	15	
Not all voltages show for the 15KPA Series. Please consult the factory for other voltages.							
15KPA280A	280.0	311.0	452.0	33.0	10	15	
30KPA28A	28.0	31.3	50.0	606.0	5000	30	
Not all voltages show for the 30KPA Series. Please consult the factory for other voltages.							
30KPA360A	360.0	400.0	640.0	55.0	2	30	
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 15KP17CA.							
2700SM78CAN	78.0	86.0	150.0	15K	10	2250	
5KP5.0A	5.0	6.4	9.6	521	5000	5	
Not all voltages show for the 5KP Series. Please consult the factory for other voltages.							
5KP440A	440.0	492.0	713.0	7.0	2	5	**AXIAL LEAD**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 5KP180CA.							
60KS200C	180.0	200.0	335.0	180.0	10	60kW @ 1.2/50µs	
90KS200C	180.0 180.0	200.0 200.0	280.0 335.0	180.0 270.0	0.5 0.5	90kW @ 1.2/50µs	
704-15K36	31.5	36.0	53.0	300.0	100	15	 
704-15K36P	31.5	36.0	53.0	300.0	100	15	
704-15K36T	31.5	36.0	53.0	300.0	500	15	
GPZ532	28.0	32.0	40.0	100	50	10kW @ 1ms	 
GPZ1275	28.0	32.0	55.0	500	60	30kW @ 1ms	
GPZ1275B60K	28.0	32.0	55.0	1000	60	60kw @ 1ms	
Note: I_{PP} @ 1 ms for GPZ Series.							
K1-076	54.0	83.0	135.0	-	20	-	
Not all voltages show for the K Series. Please consult the factory for other voltages.							
KD-076	54.0	85.0	145.0	-	20	-	**AXIAL LEAD**
Note: K1, KA, KB, Kc and KD Series is available. Please consult factory for more information.							

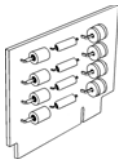
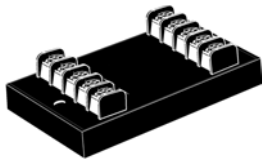
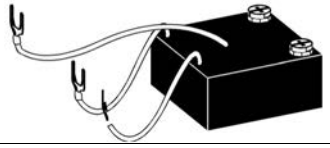
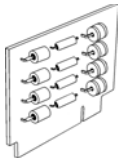
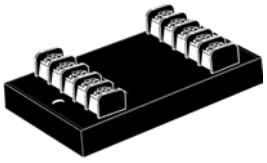
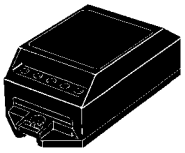
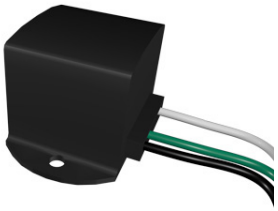
MODULES – COMPONENTS (NOT ROHS COMPLIANT)

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - kW	***PACKAGE***
P15KP17	17.0	18.9	32.3	464.0	5000	15	 **AXIAL LEAD**
Not all voltages show for the P15KP Series. Please consult the factory for other voltages.							
P15KP280A	280.0	311.0	452.0	33.0	10	15	
P30KP30A	30.0	33.3	55.2	543.0	5000	30	
Not all voltages show for the P30KP Series. Please consult the factory for other voltages.							
P30KP260A	260.0	289.0	416.0	72.0	10	30	
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as P15KP17CA.							
P6KE6.8	5.5	6.12	10.8	55.6	1000	600	 **AXIAL LEAD**
Not all voltages show for the P6KE Series. Please consult the factory for other voltages.							
P6KE600A	513.0	570.0	828.0	0.7	1	600	
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as P6KE520CA.							
PAM07DF23K24	24	26.7	43.0	69.8	3	3	 **DFN-2-3KW**
PAM16AL30A	30.0	33.3	50.7	296.0	15	15	 **AXIAL LEAD**
PAM25DF25K33	33.0	36.8	53.3	94.0	8	5	 **DFN-2-5KW**
PAM25DF25K36	36.0	40.2	58.1	86.0	8	5	
PHP8.4	12.0	14.0	22.0	341.0	250	7.5	
PHP24	34.0	40.0	67.0	112.0	250	7.5	
PHP30	42.5	50.0	84.0	90.0	250	7.5	
PHP60	85.0	100.0	167.0	90.0	250	15	
PHP120*	170.0	200.0	319.0	47.0	250	15	
PHP208	295.0	347.0	536.0	28.0	250	15	
PHP250*	354.0	418.0	652.0	23.0	250	15	
PHP275	390.0	460.0	710.0	21.0	250	15	
PHP440	623.0	735.0	1138.0	13.2	250	15	
PHP500*	708.0	835.0	1292.0	11.6	250	15	
PIP8.4	12.0	14.0	22.0	341.0	250	7.5	
PIP24	34.0	40.0	67.0	112.0	250	7.5	
PIP30	42.5	50.0	84.0	90.0	250	7.5	
PIP60	85.0	100.0	167.0	90.0	250	15	
PIP120*	170.0	200.0	319.0	47.0	250	15	
PIP208	295.0	347.0	536.0	28.0	250	15	
PIP250*	354.0	418.0	652.0	23.0	250	15	
PIP440	623.0	735.0	1138.0	13.2	250	15	
PIP500*	708.0	835.0	1292.0	11.6	250	15	
Note: PHP Series is typically used in Aerospace applications. PIP Series is typically used in Industrial applications. *indicates marine applications.							

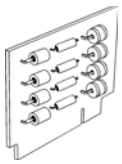
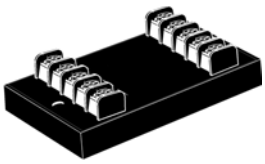
MODULES – COMPONENTS (NOT ROHS COMPLIANT)

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - kW	*PACKAGE*
SM3KW08A	8	8.8	13.6	220	50	3	 **DFN-2-KW**
SM3KW24A	24	26.7	43.0	69.8	3	3	
SM3KW33A	33	36.7	56.3	53.3	3	3	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "SM3KW33CA".							
SM5KW10A	10	11.1	17.0	296.0	15	5	 **DFN-2-KW**
SM5KW33A	33.0	36.8	53.3	94.0	8	5	
SM5KW36A	36.0	40.2	58.1	86.0	8	5	
SM10KW10A	10.0	11.1	20.0	3000	15	8.5	 **DFN-2-KW**
SM10KW12A	12.0	13.4	24.0	2500	8	8.5	
SM10KW22A	22.0	24.4	40.2	1492	8	8.5	
SM10KW24A	24.0	26.8	48.3	1242	8	8.5	
SM10KW28A	28.0	31.2	56.1	1069	8	8.5	
SM10KW30A	30.0	33.5	60.3	995	8	8.5	
SM10KW33A	33.0	36.8	66.0	909	8	8.5	
SM10KW36A	36.0	40.0	72.3	829	8	8.5	
SM15KPA17AN	17.0	18.9	29.3	512.0	5000	15	
Not all voltages show for the SM15KPAxxAN/CAN Series. Please consult the factory for other voltages.							
SM15KPA480AN	480.0	528.0	791.0	18.9	10	15	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "SM15KPA85CAN".							
SM30KPA28AN	28.0	31.3	50.0	606.0	5000	30	
Not all voltages show for the SM30KPAxxAN/CAN Series. Please consult the factory for other voltages.							
SM30KPA480AN	480.0	528.0	791.0	37.8	2	30	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as "SM30KPA28CAN".							

MODULES – SURGEBUSTERS™ (NOT ROHS COMPLIANT)

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	CLAMPING VOLTAGE - V_C @ 8/20µS	MAX. CURRENT @8/20µs – kA/Line	LEAKAGE CURRENT - µA @ V_{WM}	SERIES RESISTANCE OHMS	CAPACITANCE pF	PACKAGE
232B	±25	40.0 @ 500A	10	5	12	2000	 
232E	±25	40.0 @ 500A	10	5	12	2000	
Note: Lines of protection: 2 pair.							
420E212	±12.0	22.0 @ 2kA	10	5	12	6000	
420E225	±25.0	44.0 @ 2kA	10	5	12	3000	
420E228	±28.0	46.0 @ 2kA	10	5	12	2800	
420E236	±36.0	60.0 @ 2kA	10	5	12	1500	
420E250	±50.0	80.0 @ 2kA	10	5	12	1200	
420E260	±60.0	95.0 @ 2kA	10	5	12	1000	
Note: Lines of protection: 1 pair.							
420LB28	±28.0	40.0 @ 2kA	10	5	12	2800	 
420LB35	±35.0	60.0 @ 2kA	10	5	12	1500	
420LB60	±60.0	85.0 @ 2kA	10	5	12	1000	
420LE28	±28.0	40.0 @ 2kA	10	5	12	2800	
420LE35	±35.0	60.0 @ 2kA	10	5	12	1500	
420LE60	±60.0	85.0 @ 2kA	10	5	12	1000	
Note: Lines of protection: 2 pair.							
422B	±12.0	24.0 @ 500A	10	5	12	5000	
422E	±12.0	24.0 @ 500A	10	5	12	5000	
Note: Lines of protection: 2 pair.							
422ELC	±12.0	30.0 @ 500A	10	1	12	25	
485ELC	±7.0	20.0 @ 500A	10	10	12	25	
Note: Lines of protection: 2 pair.							
587B051	130.0 AC	350.0	3	1mA	-	-	 **LP & LPE** 
587B151	130.0 AC	350.0	3	1mA	-	-	
587B201	130.0 AC	350.0	3	1mA	-	-	
587B301	130.0 AC	350.0	3	1mA	-	-	
Note: Maximum Line Current: 5A, 15A, 20A, 30. Line to Neutral.							
587B062	240.0 AC	800.0	3	1mA	-	-	
587B162	240.0 AC	800.0	3	1mA	-	-	
587B302	240.0 AC	800.0	3	1mA	-	-	
Note: Maximum Line Current: 6A, 16A, 30A. Line to Neutral.							
587B051LP	120.0 AC	330.0	3	1mA	-	-	
587B101LP	120.0 AC	330.0	3	1mA	-	-	
587B151LP	120.0 AC	330.0	3	1mA	-	-	
587B301LP	120.0 AC	330.0	3	1mA	-	-	
Note: Maximum Line Current: 5A, 10A, 15A, 30A. Line to Neutral.							
587B062LP	240.0 AC	800.0	3	1mA	-	-	
587B102LP	240.0 AC	800.0	3	1mA	-	-	
587B162LP	240.0 AC	800.0	3	1mA	-	-	
587B302LP	240.0 AC	800.0	3	1mA	-	-	
Note: Maximum Line Current: 6A, 10A, 16A, 30A. Line to Neutral.							
587B062LPE	240.0 AC	800.0	3	1mA	-	-	
587B102LPE	240.0 AC	800.0	3	1mA	-	-	
587B162LPE	240.0 AC	800.0	3	1mA	-	-	
587B302LPE	240.0AC	800.0	3	1mA	-	-	
Note: Maximum Line Current: 6A, 10A, 16A, 30A. Line to Neutral.							
PBSP-120-10K	120	660	10	-	-	1500	
PBSP-220-10K	220	1350	10	-	-	750	
PBSP-240-10K	240	1355	10	-	-	740	
PBSP-277-10K	277	1400	10	-	-	720	
PBSP-380-10K	340	1680	10	-	-	600	
PBSP-120-20K	120	650	20	-	-	3000	
PBSP-220-20K	220	1350	20	-	-	1500	
PBSP-240-20K	240	1355	20	-	-	1480	
PBSP-277-20K	277	1500	20	-	-	1400	

MODULES – SURGEBUSTERS™ (NOT ROHS COMPLIANT)

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	CLAMPING VOLTAGE - V_C @ 8/20µS	MAX. CURRENT @8/20µs – kA/Line	LEAKAGE CURRENT - µA @ V_{WM}	SERIES RESISTANCE OHMS	CAPACITANCE pF	*PACKAGE*	
TEL50B	±50.0	95.0 @ 500A	10	5	12	800		
TEL50E	±50.0	95.0 @ 500A	10	5	12	800		
TEL185B	±185.0	330.0 @ 500A	10	5	12	800		
TEL185E	±185.0	330.0 @ 500A	10	5	12	800		

Note: Lines of protection: 2 pair.

OVERCURRENT PROTECTION: FUSES

PART NUMBER	CURRENT RATING Amps	VOLTAGE RATING Volts DC	INTERRUPTING RATING Amps DC	TYPICAL RESISTANCE Ohms	TYPICAL MELT I^2t DC(A^2s)	AMPERE RATING	%OF AMP RATING	PACKAGE
PF0402F200	0.200	24	35	4.300	0.0008	200mA-4A	100/250	0402
PF0402F250	0.250	24	35	3.20	0.0011	200mA-4A	100/250	0402
PF0402F375	0.350	24	35	1.140	0.0021	200mA-4A	100/250	0402
PF0402F500	0.500	24	35	1.20	0.0043	200mA-4A	100/250	0402
PF0402F750	0.750	24	35	0.520	0.0110	200mA-4A	100/250	0402
PF0402F1	1.00	24	35	0.090	0.049	200mA-4A	100/250	0402
PF0402F1.25	1.25	24	35	0.075	0.052	200mA-4A	100/250	0402
PF0402F1.5	1.50	24	35	0.058	0.076	200mA-4A	100/250	0402
PF0402F1.75	1.75	24	35	0.045	0.13	200mA-4A	100/250	0402
PF0402F2	2.00	24	35	0.035	0.18	200mA-4A	100/250	0402
PF0402F2.5	2.50	24	35	0.025	0.23	200mA-4A	100/250	0402
PF0402F3	3.00	24	35	0.019	0.33	200mA-4A	100/250	0402
PF0402F3.5	3.50	24	35	0.018	0.45	200mA-4A	100/250	0402
PF0402F4	4.00	24	35	0.014	0.65	200mA-4A	100/250	0402
Note: Opening Time – 4 Hours Minimum, 5 seconds Maximum.								
PF0603F250	0.250	32	50	5.1	0.0004	250mA-6A	100/250	0603
PF0603F375	0.375	32	50	2.4	0.0009	250mA-6A	100/250	0603
PF0603F500	0.500	32	50	1.1	0.0018	250mA-6A	100/250	0603
PF0603F750	0.750	32	50	0.7	0.0070	250mA-6A	100/250	0603
PF0603F1	1.00	32	50	0.23	0.015	250mA-6A	100/250	0603
PF0603F1.25	1.25	32	50	0.165	0.022	250mA-6A	100/250	0603
PF0603F1.5	1.50	32	50	0.125	0.032	250mA-6A	100/250	0603
PF0603F1.75	1.75	32	50	0.08	0.048	250mA-6A	100/250	0603
PF0603F2	2.00	32	50	0.063	0.052	250mA-6A	100/250	0603
PF0603F2.5	2.50	32	50	0.04	0.061	250mA-6A	100/250	0603
PF0603F3	3.00	32	50	0.028	0.070	250mA-6A	100/250	0603
PF0603F3.5	3.50	32	50	0.022	0.122	250mA-6A	100/250	0603
PF0603F4	4.00	32	50	0.018	0.220	250mA-6A	100/250	0603
PF0603F5	5.00	32	50	0.011	0.680	250mA-6A	100/250	0603
PF0603F6	6.00	32	50	0.008	0.920	250mA-6A	100/250	0603
Note: Opening Time – 4 Hours Minimum, 5 seconds Maximum.								
PF0603H1	1.00	32	35	0.24	0.09	1A-5A	100/200/1000	0603
PF0603H1.5	1.50	32	35	0.12	0.18	1A-5A	100/200/1000	0603
PF0603H2	2.00	32	35	0.068	0.29	1A-5A	100/200/1000	0603
PF0603H2.5	2.50	32	35	0.048	0.59	1A-5A	100/200/1000	0603
PF0603H3	3.00	32	35	0.034	0.83	1A-5A	100/200/1000	0603
PF0603H3.5	3.50	32	35	0.023	1.23	1A-5A	100/200/1000	0603
PF0603H4	4.00	32	35	0.02	2.22	1A-5A	100/200/1000	0603
PF0603H4.5	4.5	32	35	0.016	2.70	1A-5A	100/200/1000	0603
PF0603H5	5.00	32	32	0.013	3.20	1A-5A	100/200/1000	0603
Note: Opening Time – 4 Hours Minimum, 1~60 seconds, 0.0002~0.02 seconds.								

OVERCURRENT PROTECTION: FUSES

PART NUMBER	CURRENT RATING Amps	VOLTAGE RATING Volts DC	INTERRUPTING RATING Amps DC	TYPICAL RESISTANCE Ohms	TYPICAL MELT I^2t DC(A^2s)	AMPERE RATING	%OF AMP RATING	PACKAGE
PF0603S1	1.00	32	35	0.25	0.09	1A-5A	100/200/300/800	0603
PF0603S1.5	1.50	32	35	0.13	0.19	1A-5A	100/200/300/800	0603
PF0603S2	2.00	32	35	0.07	0.30	1A-5A	100/200/300/800	0603
PF0603S2.5	2.50	32	35	0.05	0.61	1A-5A	100/200/300/800	0603
PF0603S3	3.00	32	35	0.035	0.83	1A-5A	100/200/300/800	0603
PF0603S3.5	3.50	32	35	0.024	1.23	1A-5A	100/200/300/800	0603
PF0603S4	4.00	32	35	0.02	2.22	1A-5A	100/200/300/800	0603
PF0603S4.5	4.50	32	35	0.016	2.74	1A-5A	100/200/300/800	0603
PF0603S5	5.00	32	35	0.013	3.40	1A-5A	100/200/300/800	0603
Note: Opening Time – 4 Hours Minimum, 1~120 seconds, 0.1~3 seconds, 0.001~0.05 seconds. Ceramic and glass package.								
PF1206F250	0.250	63	50	4.10	0.0004	250mA-8A	100/250	1206
PF1206F375	0.375	63	50	2.21	0.0008	250mA-8A	100/250	1206
PF1206F500	0.500	63	50	1.50	0.0018	250mA-8A	100/250	1206
PF1206F750	0.750	63	50	0.60	0.0055	250mA-8A	100/250	1206
PF1206F1	1.00	63	50	0.26	0.030	250mA-8A	100/250	1206
PF1206F1.25	1.25	63	50	0.24	0.046	250mA-8A	100/250	1206
PF1206F1.5	1.50	63	50	0.12	0.083	250mA-8A	100/250	1206
PF1206F1.75	1.75	63	50	0.10	0.090	250mA-8A	100/250	1206
PF1206F2	2.00	63	50	0.072	0.110	250mA-8A	100/250	1206
PF1206F2.5	2.50	63	50	0.051	0.240	250mA-8A	100/250	1206
PF1206F3	3.00	63	50	0.038	0.255	250mA-8A	100/250	1206
PF1206F3.5	3.50	32	50	0.025	0.280	250mA-8A	100/250	1206
PF1206F4	4.00	32	50	0.020	0.305	250mA-8A	100/250	1206
PF1206F4.5	4.50	32	50	0.017	0.395	250mA-8A	100/250	1206
PF1206F5	5.00	32	50	0.016	0.500	250mA-8A	100/250	1206
PF1206F6	6.00	32	50	0.012	2.064	250mA-8A	100/250	1206
PF1206F7	7.00	32	50	0.010	2.720	250mA-8A	100/250	1206
PF1206F8	8.00	32	50	0.008	4.630	250mA-8A	100/250	1206
Note: Opening Time – 4 Hours Minimum, 5 seconds Maximum. Ceramic and glass package.								
PF1206H1	1.00	63	50	0.41	0.10	1A-7A	100/200/1000	1206
PF1206H1.25	1.25	63	50	0.25	0.22	1A-7A	100/200/1000	1206
PF1206H1.5	1.50	63	50	0.20	0.26	1A-7A	100/200/1000	1206
PF1206H2	2.00	63	50	0.13	0.67	1A-7A	100/200/1000	1206
PF1206H2.5	2.50	32	50	0.081	0.97	1A-7A	100/200/1000	1206
PF1206H3	3.00	32	50	0.052	1.20	1A-7A	100/200/1000	1206
PF1206H3.5	3.50	32	50	0.040	1.64	1A-7A	100/200/1000	1206
PF1206H4	4.00	32	50	0.03	2.43	1A-7A	100/200/1000	1206
PF1206H4.5	4.50	32	50	0.025	3.50	1A-7A	100/200/1000	1206
PF1206H5	5.00	32	50	0.02	5.45	1A-7A	100/200/1000	1206
PF1206H5.5	5.50	24	60	0.016	6.20	1A-7A	100/200/1000	1206
PF1206H6	6.00	24	60	0.013	8.10	1A-7A	100/200/1000	1206
PF1206H7	7.00	24	60	0.012	9.88	1A-7A	100/200/1000	1206
Note: Opening Time – 4 Hours Minimum, 1~60 seconds, 0.0002~0.02 seconds. Ceramic and glass package.								

OVERCURRENT PROTECTION: FUSES

PART NUMBER	CURRENT RATING Amps	VOLTAGE RATING Volts DC	INTERRUPTING RATING Amps DC	TYPICAL RESISTANCE Ohms	TYPICAL MELT I^2t DC(A^2s)	AMPERE RATING	%OF AMP RATING	PACKAGE
PF1206S1	1.00	63	50	0.42	0.10	1A-7A	100/200/300/800	1206
PF1206S1.25	1.25	63	50	0.25	0.22	1A-7A	100/200/300/800	1206
PF1206S1.5	1.50	63	50	0.21	0.25	1A-7A	100/200/300/800	1206
PF1206S2	2.00	63	50	0.13	0.59	1A-7A	100/200/300/800	1206
PF1206S2.5	2.50	32	50	0.08	0.88	1A-7A	100/200/300/800	1206
PF1206S3	3.00	32	50	0.05	1.10	1A-7A	100/200/300/800	1206
PF1206S3.5	3.50	32	50	0.036	1.55	1A-7A	100/200/300/800	1206
PF1206S4	4.00	32	50	0.03	2.30	1A-7A	100/200/300/800	1206
PF1206S4.5	4.50	32	50	0.025	3.55	1A-7A	100/200/300/800	1206
PF1206S5	5.00	32	50	0.02	5.40	1A-7A	100/200/300/800	1206
PF1206S5.5	5.50	24	60	0.016	6.20	1A-7A	100/200/300/800	1206
PF1206S6	6.00	24	60	0.013	8.10	1A-7A	100/200/300/800	1206
PF1206S7	7.00	24	60	0.012	9.88	1A-7A	100/200/300/800	1206

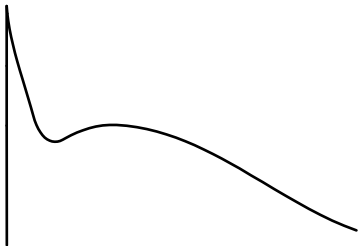
Note: Opening Time – 4 Hours Minimum, 1~120 seconds, 0.1~3 seconds, 0.001~0.05 seconds. Ceramic and glass package.

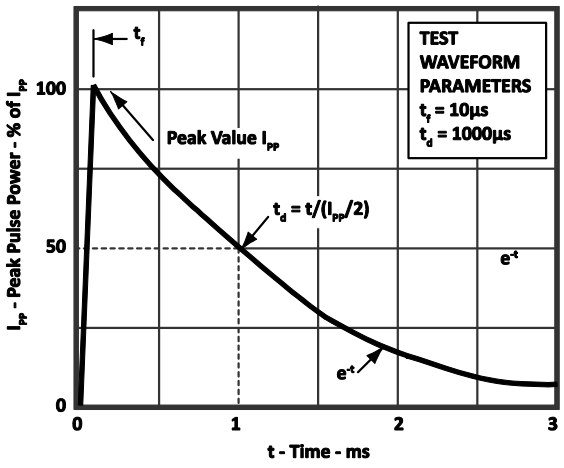
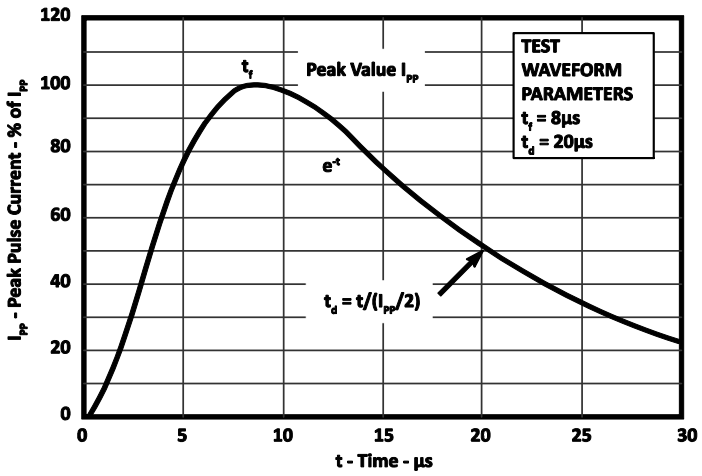
OVERCURRENT PROTECTION: POLYMER PTC DEVICES

PART NUMBER	MAX. HOLDING CURRENT – I_H Amps	MIN. TRIP CURRENT - I_T Amps	MAX. INTERRUPT VOLTAGE – VM_{AX} Volts	MAX. FAULT CURRENT – I_{MAX} Amps	MAX. TIME-TO-TRIP T_{TRIP} Amps @ Secs	TYPICAL POWER DISSIPATION – P_D Watts	MAX. RESISTANCE – R_{MAX} Ohms	PACKAGE
PMPS012-E-1206	0.125	0.37	30	100	1.0A @ 0.20s	0.60	6.00	1206
Note: Consult factory for other voltages in the PMPS-E-1206 Series								
PMPS370-E-1206	3.70	7.40	6	50	18.5A @ 2.00s	1.0	0.014	1206
PMPS020-FH-1206	0.20	0.40	30	100	8.0A @ 0.10s	0.60	0.600	1206
PMPS075-1812	0.75	1.50	24	100	8.0A @ 0.20s	0.60	0.350	1812
PMPS150-1812	1.50	3.00	24	20	8.0A @ 1.50s	0.80	0.110	1812
PMPS150E-1206	1.50	3.00	8	100	8.0A @ 0.30s	0.80	0.120	1206
PMPS200-1812	2.00	3.50	8	100	8.0A @ 2.00s	0.80	0.070	1812
PMPS200D-1210	2.00	4.00	6	50	8.0A @ 5.00s	1.2	0.028	1210
PMPS260C-1812	2.60	5.00	8	100	8.0A @ 4.00s	0.8	0.040	1812
PMPS380E-1206	3.80	7.60	6	50	16.0A @ 5.00s	1.2	0.015	1206

OVERCURRENT PROTECTION: POLYMER PTC DEVICES

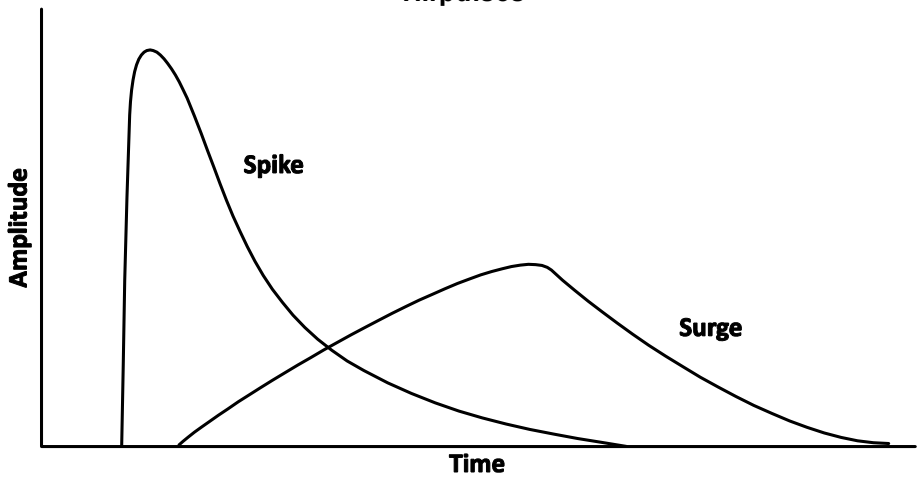
PART NUMBER	HOLDING CURRENT – I_H Amps	TRIP CURRENT - I_T Amps	OPERATING VOLTAGE - V_{DC} Volts	INTERRUPT CURRENT – I_{MAX} Amps	MAX. TIME-TO-TRIP @ $5I_HA$ - T_{TRIP} Seconds	MAX. POWER DISSIPATION – P_D Watts	TYPICAL RESISTANCE – R Ohms	PACKAGE
PLRO1206-300	3.0	6.0	6	50	4.0	1.0	0.008	1206
PLRO1206-380	3.0	8.0	6	50	4.0	1.0	0.006	1206
PLRO1210-190	1.9	4.9	6	50	4.0	1.0	0.013	1210
PLRO1210-300	3.0	8.0	6	50	4.0	1.0	0.009	1210
PLRO1210-300	3.8	9.0	6	50	4.0	1.0	0.008	1210

International Standard	Environmental Threat	Transient Characteristics	Test Waveform
61000-4-2	ESD	Super Fast < 1ns Low Energy	
61000-4-4	EFT	Fast 5 ns Medium Energy (per burst)	
61000-4-5	Surge	Surge 10-700 µs High Energy	

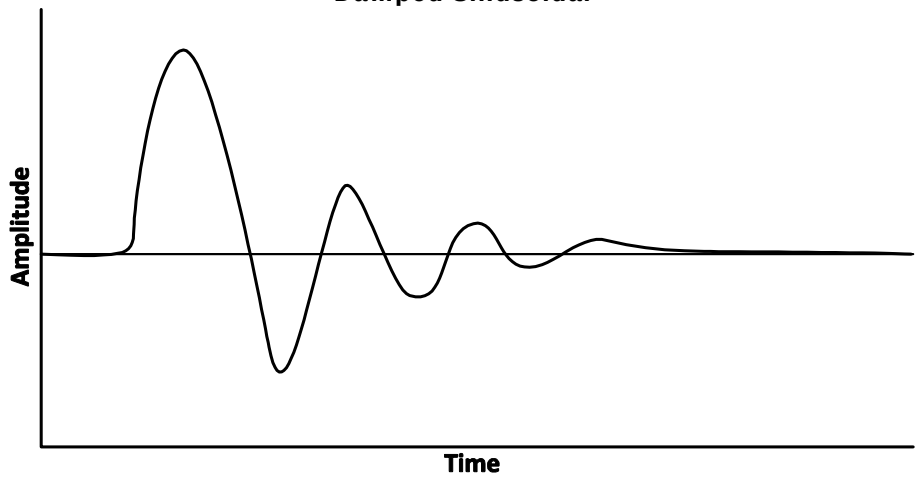
10/1000µs Waveform	8/20µs Waveform
	

IMPULSE WAVE FORMS – UNIVERSAL WAVESHAPES

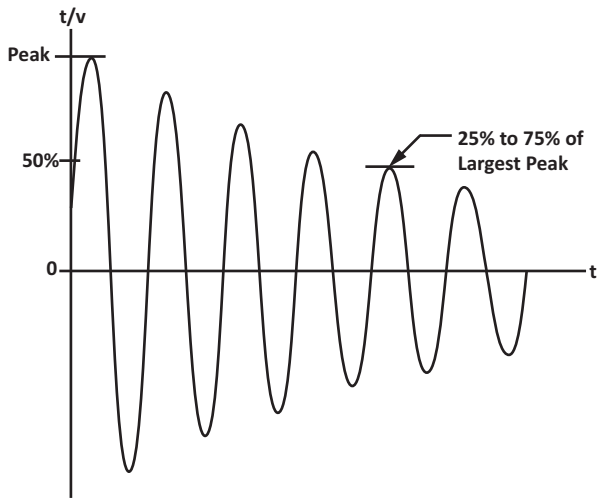
Impulses

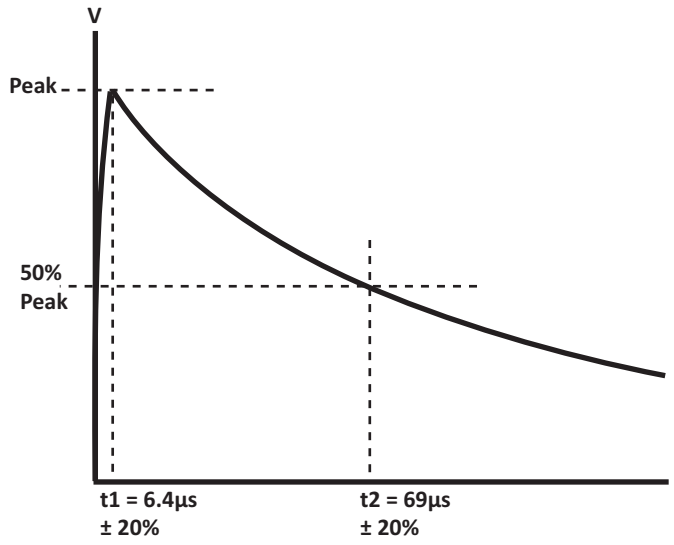


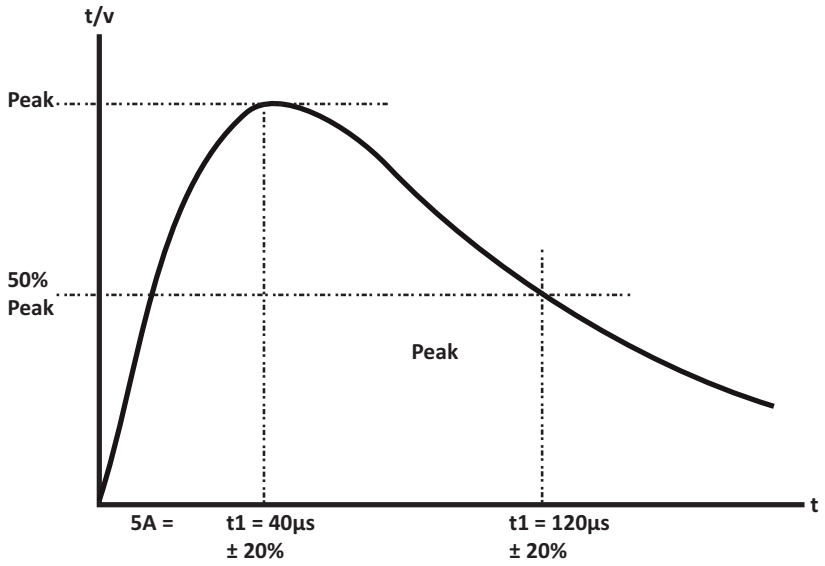
Damped Sinusoidal



Peak Pulse Current (Amplitude)	$I_t = I_{PP}$ = 10, 100, 1000 Amp
Pulse Duration (Time) – Spike	t_d = 30ns (ESD)
Pulse Duration (Time) – Transient	t_d = 20 or 1000µs (Lightning)
Pulse Duration (Time) – Surge	t_d = 100ms (Switching)

WAVEFORM 3a PIN INJECTION – 1MHz (±20%)(800kHz – 1200kHz Damped Sine Wave)			
Level	**V. Test (pk) in V**	**I Limit (pk) in A**	**DO-160G Waveform**
1	107	4	
2	268	10	
3	655	24	
4	1620	60	
5	3450	128	

WAVEFORM 4 PIN INJECTION – 6.4µs/69.0µs (±20%)(5.12µs - 7.68µ)(55.2µs - 82.8µs)			
Level	**Open Circuit Voltage in V**	**Short Circuit Current in A**	**DO-160G Waveform**
1	53	4	
3	314	10	
5	1690	24	

WAVEFORM 5a PIN INJECTION – 40.0µs/120.0µs (±20%)(32.0µs – 48.0µs)(96.0µs – 144.0µs)			
Level	**Open Circuit Voltage in V**	**Short Circuit Current in A**	**DO-160G Waveform**
1	52	53	
2	128.4	136	
3	304	326	
4	758	800	
5	1630	1752	

PRODUCT PACKAGING
Nominal: Scaled 1”-1”

0402/U0402
Width: 0.019” (0.48)
Length: 0.039” (1.00)
Height: 0.016” (0.41)
LD Pitch: N/A
Pad Count: 2

0404
Width: 0.039” (1.00)
Length: 0.039” (1.00)
Height: 0.016” (0.41)
LD Pitch: N/A
Pad Count: 4

0406
Width: 0.039” (1.00)
Length:0.059” (1.50)
Height: 0.016” (0.41)
LD Pitch: N/A
Pad Count: 6

0408/U0408
Width: 0.039” (1.00)
Length:0.079” (2.00)
Height: 0.016” (0.41)
LD Pitch: N/A
Pad Count: 8

5 Bump FC
Width: 0.038” (0.97)
Length:0.052” (1.32)
Height: 0.016” (0.41)
LD Pitch: N/A
Pad Count: 5

C0201
Width: 0.012” (0.30)
Length: 0.024” (0.60)
Height: 0.013” (0.33)
LD Pitch: N/A
Pad Count: 2

C0402
Width: 0.022” (0.55)
Length: 0.041” (1.05)
Height: 0.014” (0.36)
LD Pitch: N/A
Pad Count: 2

CDIP-16
Width: 0.47” (11.94)
Length:0.90” (22.86)
Height: 0.192” (4.83)
LD Pitch: 0.100” (2.54)
Pin Count: 16

CG0402
Width: 0.039” (1.00)
Length: 0.039” (0.52)
Height: 0.014” (0.35)
LD Pitch: N/A
Pad Count: 2

CG0603
Width: 0.063” (1.60)
Length: 0.031” (0.80)
Height: 0.014” (0.35)
LD Pitch: N/A
Pad Count: 2

CG1206
Width: 0.126” (3.20)
Length: 0.063” (1.60)
Height: 0.022” (0.55)
LD Pitch: N/A
Pad Count: 2

Chip Scale 0406
Width: 0.040” (1.02)
Length:0.060” (1.52)
Height: 0.009” (0.23)
LD Pitch: N/A
Pad Count: 6

DFN-2-0201
Width: 0.012” (0.30)
Length: 0.025” (0.64)
Height: 0.012” (0.30)
LD Pitch: N/A
Pad Count: 2

DFN-2-0402
Width: 0.024” (0.61)
Length: 0.040” (1.02)
Height: 0.018” (0.46)
LD Pitch: N/A
Pad Count: 2

DFN-2-3KW
Width: 0.22” (5.59)
Length: 0.25” (6.35)
Height: 0.05” (1.27)
LD Pitch: 0.168”(4.27)
Pad Count: 2

DFN-2-5KW
Width: 0.25” (6.35)
Length: 0.30” (7.62)
Height: 0.05” (1.27)
LD Pitch: 0.189”(4.80)
Pad Count: 2

DFN-4
Width: 0.040” (1.02)
Length: 0.040” (1.02)
Height: 0.020” (0.50)
LD Pitch: N/A
Pad Count: 4

DFN-6
Width: 0.059” (1.50)
Length: 0.077” (1.96)
Height: 0.019” (0.48)
LD Pitch: 0.020” (0.50)
Pad Count: 6

DFN-8
Width: 0.079” (2.00)
Length: 0.079” (2.00)
Height: 0.031” (0.80)
LD Pitch: 0.020” (0.50)
Pad Count: 8

DFN-8LP
Width: 0.063” (1.60)
Length:0.079” (2.00)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pad Count: 8

DFN-10
Width: 0.101” (2.57)
Length: 0.101” (2.57)
Height: 0.019” (0.48)
LD Pitch: 0.020” (0.50)
Pad Count: 10

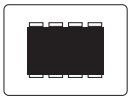
DFN-12
Width: 0.063” (1.60)
Length:0.118” (3.00)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pad Count: 12

DFN-16LP
Width: 0.063” (1.60)
Length:0.158” (4.00)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pad Count: 16

DFN-16
Width: 0.063” (1.60)
Length:0.158” (4.00)
Height: 0.031” (0.79)
LD Pitch: 0.020” (0.50)
Pad Count: 16

DFN-16SLP
Width:0.051” (1.30)
Length: 0.158” (3.30)
Height: 0.021” (0.53)
LD Pitch: 0.020” (0.50)
Pad Count: 16

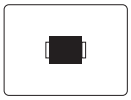
PRODUCT PACKAGING
SCALED 1”-1”
Nominal



DIP-8
Width: 0.250” (6.35)
Length:0.39” (9.91)
Height: 0.160” (4.06)
LD Pitch: 0.100” (2.54)
Pin Count: 8

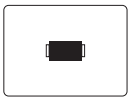
DIP-14
Width: 0.250” (6.35)
Length:0.740” (18.80)
Height: 0.160” (4.06)
LD Pitch: 0.100” (2.54)
Pin Count: 14

DIP-16
Width: 0.250” (6.35)
Length:0.755” (19.18)
Height: 0.160” (4.06)
LD Pitch: 0.100” (2.54)
Pin Count: 16



DO-214AA
Width: 0.17” (4.32)
Length:0.14” (3.56)
Height: 0.089” (2.25)
LD Pitch: N/A
Pin Count: 2

DO-214AB
Width: 0.27” (6.86)
Length:0.23” (5.84)
Height: 0.089” (2.25)
LD Pitch: N/A
Pin Count: 2



DO-214AC
Width: 0.17” (4.32)
Length:0.10” (2.54)
Height: 0.08” (2.03)
LD Pitch: N/A
Pin Count: 2

E0503
Width: 0.030” (0.76)
Length: 0.050” (1.27)
Height: 0.030” (0.76)
LD Pitch: N/A
Pad Count: 2

LoPro™
Width: 0.051” (1.30)
Length: 0.063” (1.60)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pad Count: 10

MSOP-8
Width: 0.118” (3.00)
Length: 0.118” (3.00)
Height: 0.044” (1.12)
LD Pitch: 0.050” (1.270)
Pin Count: 8

P1206
Width:0.13” (3.20)
Length: 0.065” (1.65)
Height: 0.04” (1.0)
LD Pitch: N/A
Pad Count: 2

P1210
Width:0.13” (3.20)
Length: 0.10” (2.54)
Height: 0.02” (0.51)
LD Pitch: N/A
Pad Count: 2

P1812
Width:0.18” (4.57)
Length: 0.11” (2.79)
Height: 0.035” (0.89)
LD Pitch: N/A
Pad Count: 2

Quad/Penta
Width: 0.039” (1.00)
Length:0.059” (1.50)
Height: 0.016” (0.40)
LD Pitch: 0.020” (0.50)
Pad Count: 6

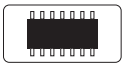
QFN-16
Width: 0.118” (3.00)
Length: 0.118” (3.00)
Height: 0.030” (0.76)
LD Pitch: 0.020” (0.50)
Pad Count: 16

SC-70-5L
Width: 0.050” (1.27)
Length:0.079” (2.00)
Height: 0.035” (0.89)
LD Pitch: 0.025” (0.64)
Pin Count: 5

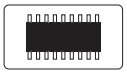
SC-70-6L
Width: 0.050” (1.27)
Length:0.079” (2.00)
Height: 0.035” (0.89)
LD Pitch: 0.025” (0.64)
Pin Count: 6

SC-79
Width: 0.032” (0.81)
Length: 0.046” (1.17)
Height: 0.024” (0.61)
LD Pitch: N/A
Pin Count: 2

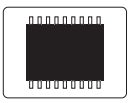
SO-8
Width: 0.192” (4.90)
Length: 0.15” (3.81)
Height: 0.061” (1.55)
LD Pitch: 0.050” (1.270
Pin Count: 8



SO-14
Width: 0.15” (3.81)
Length:0.34” (8.63)
Height: 0.061” (1.55)
LD Pitch: 0.050” (1.27)
Pin Count: 14



SO-16
Width: 0.15” (3.81)
Length: 0.390” (9.90)
Height: 0.061” (1.55)
LD Pitch: 0.050” (1.27)
Pin Count: 16



SO-16WB
Width: 0.295” (7.50)
Length: 0.405” (10.30)
Height: 0.097” (2.46)
LD Pitch: 0.050” (1.27)
Pin Count: 16

SOD-323
Width: 0.051” (1.30)
Length: 0.69” (1.75)
Height: 0.037” (0.94)
LD Pitch: N/A
Pin Count: 2

SOD-723
Width: 0.024” (0.61)
Length: 0.040” (1.02)
Height: 0.022” (0.56)
LD Pitch: N/A
Pin Count: 2

SOD-923
Width: 0.024” (0.60)
Length: 0.031” (0.79)
Height: 0.015” (0.37)
LD Pitch: N/A
Pin Count: 2

SOT-143
Width: 0.051” (1.30)
Length:0.115” (2.92)
Height: 0.039” (1.00)
LD Pitch: 0.075” (1.90)
Pin Count: 4

PRODUCT PACKAGING
SCALED 1”-1”
Nominal

SOT-23
Width: 0.051” (1.30)
Length:0.115” (2.92)
Height: 0.039” (1.00)
LD Pitch: 0.037” (0.95)
Pad Count: 3

SOT-23-6
Width: 0.065” (1.65)
Length:0.115” (2.92)
Height: 0.047” (1.19)
LD Pitch: 0.037” (0.95)
Pin Count: 6

SOT-543
Width: 0.047” (1.19)
Length:0.063” (1.60)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pin Count: 4

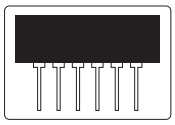
SOT-553
Width: 0.047” (1.19)
Length:0.063” (1.60)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pin Count: 5

SOT-563
Width: 0.047” (1.19)
Length:0.063” (1.60)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pin Count: 6

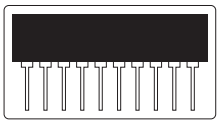
SOT-883
Width: 0.024” (0.50)
Length: 0.039” (1.00)
Height: 0.018” (0.45)
LD Pitch: 0.014”(0.36)
Pad Count: 3

SOT-953
Width: 0.031” (0.79)
Length:0.039” (1.00)
Height: 0.018” (0.46)
LD Pitch: 0.015” (0.38)
Pin Count: 5

SOT-963
Width: 0.031” (0.79)
Length:0.039” (1.00)
Height: 0.018” (0.46)
LD Pitch: 0.015” (0.38)
Pin Count: 6



VSIP-6
Width: 0.250” (6.35)
Length:0.780” (19.18)
Height: 0.130” (3.30)
LD Pitch: 0.100” (2.54)
Pin Count: 6



VSIP-10
Width: 0.250” (6.35)
Length:1.020” (25.90)
Height: 0.110” (2.79)
LD Pitch: 0.100” (2.54)
Pin Count: 10

COMPANY PROFILE

In business more than 20 years, ProTek Devices™ is a privately held semiconductor company. The company offers a product line of overvoltage protection and overcurrent protection components. These include transient voltage suppressor array (TVS arrays) avalanche breakdown diode, steering diode TVS array and electronics SMD chip fuses. These components deliver circuit protection in electronic systems from numerous overvoltage and overcurrent events. They include lightning; electrostatic discharge (ESD); nuclear electromagnetic pulses (NEMP); inductive switching; and electromagnetic interference (EMI) / radio frequency interference (RFI). ProTek Devices also offers LED wafer die for ESD protection and related high frequency products.

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