



Magnetic Products

Radial & Axial Lead
Inductors
Pulse Transformers
Current Sensing Transformers
Databus Isolators
Common Mode Filters

Powering Inno

Power Electronics Division

C&D Technologies was founded on innovation - when Frank Carlyle and Leon Doughty began a career converting gas lighting to electricity in the early 1900s.

Since then the organization has grown into a global force in power conversion and storage and is now a world-leading manufacturer, listed on the New York Stock Exchange (NYSE:CHP).

As we have changed, so have the demands of our customers. Where a simple light bulb would have amazed Carlyle and Dougherty's first customers, today's electronic design engineers need innovative solutions for their ever more complex power needs. We aim not only to meet these needs, but

to design the solutions that provide the power to drive the innovations of the future.

With half a million square feet of manufacturing in six facilities on three continents, eight development labs and 12 sales offices around the world, C&D Technologies' Power Electronics Division boasts some of the best resources in the power electronics industry.

Our product range is the widest available today and is constantly being updated to keep pace with the many markets we serve.

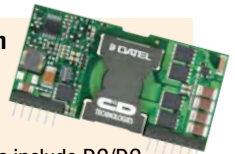
Value, quality, reliability and innovation go hand-in-hand with total customer support to ensure that our products and services are second to none.

C&D Technologies, Inc.

C&D Technologies, Inc. is a technology company that produces and markets systems for the power conversion and storage of electrical power, including industrial batteries and electronics. The organization comprises three operating divisions:

Power Electronics Division

designs, manufactures and markets products for the conversion of power within electronic systems. Products include DC/DC & AC/DC converters, support magnetics, digital panel meters and data acquisition products.



Standby Division designs, manufactures and markets batteries for standby power in telecommunications, uninterruptible power systems (UPS), broadband, CATV and mobility traction applications.



Motive Power Division

develops, manufactures and markets the world's leading motive power batteries, advanced chargers, electronic monitoring modules, maintenance tools and computerized management systems.



www.cd4power.com

Full data on over 3,400 products are available online now.

The site offers an interactive resource for engineers sourcing all our product ranges and features:

- Intelligent product search
- Technical support details
- RoHS information
- Online purchasing
- Product datasheets
- Application notes
- Sample requests
- Custom parts requests



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- 1 Safety Critical Component means any component whose failure to perform could cause the failure of, or affect the operation of a Life Support Device.
- 2 Life Support Device means any device, system or ancillary equipment intended for implant into the body or used in relation to supporting or sustaining life.

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novation...

Filtering & Isolation - A Core Consideration

Two essential elements of the vast majority of power electronics applications are filtering and isolation. Whether you need to reduce noise or protect vital components, C&D can offer a wide range of products to suit your requirements.

We have developed over 400 highly advanced and optimized inductor and transformer solutions with the emphasis on miniaturization, reliability and ease of handling. These power oriented designs are available in a variety of styles including bobbin, radial, axial and surface mount.

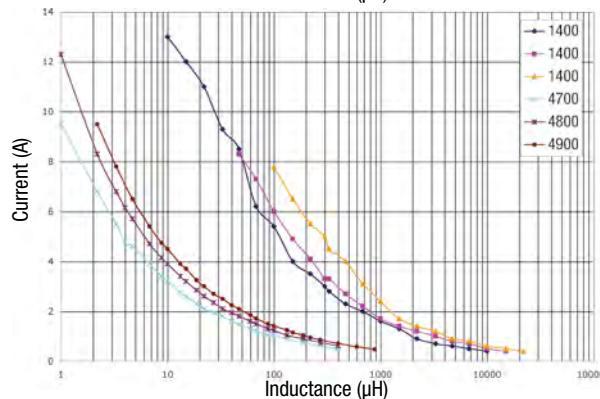
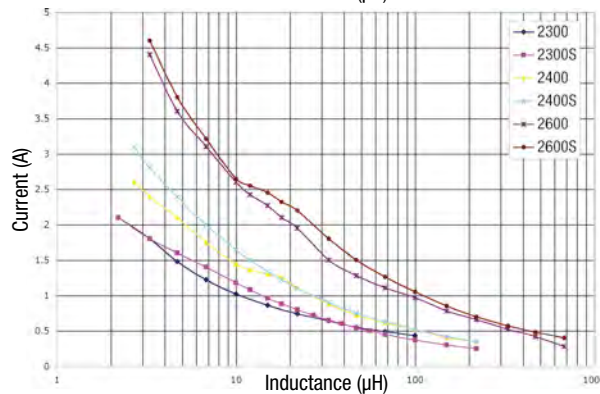
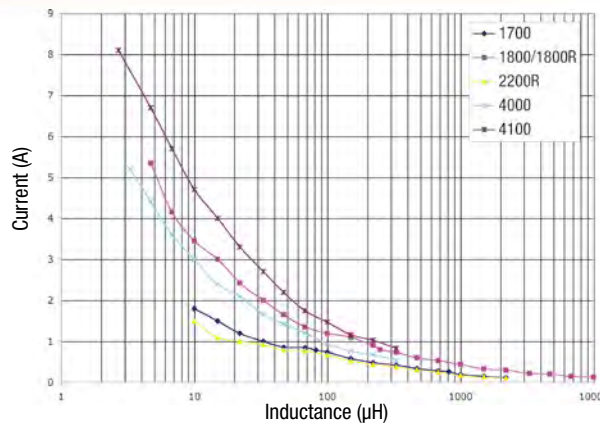
Tape and reel packaging is available for surface mount devices making them ideal for pick and place assembly lines.

How to select a suitable inductor...

For ease of selection, simply identify the package type by the contents panel (if necessary), and then refer to the graphs on this page, to see which L and I_{OC} variants are available.

Once you have a suitable product, please refer to the listed product page to find further details, or acquire a datasheet from www.cd4power.com/magnetics for the full specification.

Please Note: Both parallel and series combinations of the 4700, 4800 and 4900 series have been plotted.



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For full datasheets go to: www.cd4power.com/magnetics

1400 Series

Through Hole Bobbin Inductors

Inductance: 10µH to 22mH

Current: Up to 13A I_{DC}

Operating temperature: -40 to +85°C

Height: 14 to 21.8mm (0.55-0.85")

Features: Custom options available



Datasheet:			1400 Series		
Inductance	Current	DC Resistance	Dimensions		Model Number
			Inches	mm	
10	13	0.009	00.96 x 0.55	024.4 x 14.0	1410313
15	12	0.012	00.96 x 0.55	024.4 x 14.0	1415312
22	11	0.014	00.96 x 0.55	024.4 x 14.0	1422311
33	9.3	0.017	00.96 x 0.55	024.4 x 14.0	1433393
47	8.3	0.02	00.96 x 0.73	024.4 x 18.5	1447383
47	8.5	0.022	00.96 x 0.55	024.4 x 14.0	1447385
68	6.2	0.034	00.96 x 0.55	024.4 x 14.0	1468362
68	7.3	0.025	00.96 x 0.73	024.4 x 18.5	1468373
100	5.4	0.046	00.96 x 0.55	024.4 x 14.0	1410454
100	6	0.034	00.96 x 0.73	024.4 x 18.5	1410460
100	7.8	0.032	01.17 x 0.86	029.8 x 21.8	1410478
150	4	0.075	00.96 x 0.55	024.4 x 14.0	1415440
150	4.9	0.055	00.96 x 0.73	024.4 x 18.5	1415449
150	6.5	0.045	01.17 x 0.86	029.8 x 21.8	1415465
220	3.5	0.11	00.96 x 0.55	024.4 x 14.0	1422435
220	4.1	0.077	00.96 x 0.73	024.4 x 18.5	1422441
220	5.5	0.061	01.17 x 0.86	029.8 x 21.8	1422455
300	3	0.14	00.96 x 0.55	024.4 x 14.0	1430430
300	3.3	0.11	00.96 x 0.73	024.4 x 18.5	1430433
300	5	0.089	01.17 x 0.86	029.8 x 21.8	1430450
330	2.8	0.15	00.96 x 0.55	024.4 x 14.0	1433428
330	3.3	0.12	00.96 x 0.73	024.4 x 18.5	1433433
330	4.5	0.094	01.17 x 0.86	029.8 x 21.8	1433445
470	2.3	0.25	00.96 x 0.55	024.4 x 14.0	1447423
470	2.7	0.16	00.96 x 0.73	024.4 x 18.5	1447427
470	4	0.13	01.17 x 0.86	029.8 x 21.8	1447440
680	2	0.3	00.96 x 0.55	024.4 x 14.0	1468420
680	2.2	0.24	00.96 x 0.73	024.4 x 18.5	1468422
680	3.1	0.19	01.17 x 0.86	029.8 x 21.8	1468431
1000	1.6	0.46	00.96 x 0.55	024.4 x 14.0	1410516
1000	1.7	0.36	00.96 x 0.73	024.4 x 18.5	1410517
1000	2.4	0.29	01.17 x 0.86	029.8 x 21.8	1410524
1500	1.3	0.68	00.96 x 0.55	024.4 x 14.0	1415513
1500	1.4	0.55	00.96 x 0.73	024.4 x 18.5	1415514
1500	1.7	0.4	01.17 x 0.86	029.8 x 21.8	1415517
2200	0.9	1	00.96 x 0.55	024.4 x 14.0	1422509
2200	1.2	0.7	00.96 x 0.55	024.4 x 14.0	1422512
2200	1.4	0.6	01.17 x 0.86	029.8 x 21.8	1422514
3300	0.7	1.5	00.96 x 0.55	024.4 x 14.0	1433507
3300	1	1.1	00.96 x 0.73	024.4 x 18.5	1433510
3300	1.2	0.93	01.17 x 0.86	029.8 x 21.8	1433512
4700	0.6	2.3	00.96 x 0.55	024.4 x 14.0	1447506
4700	0.8	1.6	00.96 x 0.73	024.4 x 18.5	1447508
4700	0.9	1.4	01.17 x 0.86	029.8 x 21.8	1447509
6800	0.5	2.9	00.96 x 0.55	024.4 x 14.0	1468505
6800	0.7	2.3	00.96 x 0.73	024.4 x 18.5	1468507
6800	0.8	2.1	01.17 x 0.86	029.8 x 21.8	1468508
10000	0.4	4.5	00.96 x 0.55	024.4 x 14.0	1410604
10000	0.5	3.6	00.96 x 0.73	024.4 x 18.5	1410605
10000	0.6	2.6	01.17 x 0.86	029.8 x 21.8	1410606
15000	0.4	5.5	00.96 x 0.73	024.4 x 18.5	1415604
15000	0.5	4	01.17 x 0.86	029.8 x 21.8	1415605
22000	0.4	7.3	01.17 x 0.86	029.8 x 21.8	1422604

1700 Series

Through Hole Radial Lead Inductors

Inductance: 10µH to 68mH

Current: Up to 1.8A I_{DC}

Operating temperature: 0 to 70°C

Height: 10.5mm (0.41")

Features: Custom options available



Datasheet:			1700 Series		
Inductance	Current	DC Resistance	Dimensions		Model Number
			Inches	mm	
10	1.8	0.045	00.28 x 0.41	07.2 x 10.5	17103
15	1.5	0.06	00.28 x 0.41	07.2 x 10.5	17153
22	1.2	0.082	00.28 x 0.41	07.2 x 10.5	17223
33	1	0.13	00.28 x 0.41	07.2 x 10.5	17333
47	0.86	0.2	00.28 x 0.41	07.2 x 10.5	17473
68	0.85	0.26	00.28 x 0.41	07.2 x 10.5	17683
100	0.74	0.35	00.28 x 0.41	07.2 x 10.5	17104
150	0.58	0.49	00.28 x 0.41	07.2 x 10.5	17154
220	0.48	0.75	00.28 x 0.41	07.2 x 10.5	17224
330	0.42	1.1	00.28 x 0.41	07.2 x 10.5	17334
470	0.34	1.5	00.28 x 0.41	07.2 x 10.5	17474
680	0.28	2.4	00.28 x 0.41	07.2 x 10.5	17684
1000	0.19	3.3	00.28 x 0.41	07.2 x 10.5	17105
1500	0.15	5.9	00.28 x 0.41	07.2 x 10.5	17155
2200	0.12	7.8	00.28 x 0.41	07.2 x 10.5	17225
3300	0.11	9.1	00.28 x 0.41	07.2 x 10.5	17335
4700	0.09	12	00.28 x 0.41	07.2 x 10.5	17475
6800	0.08	20	00.28 x 0.41	07.2 x 10.5	17685
10000	0.07	34	00.28 x 0.41	07.2 x 10.5	17106
15000	0.06	45	00.28 x 0.41	07.2 x 10.5	17156
22000	0.05	75	00.28 x 0.41	07.2 x 10.5	17226
33000	0.04	100	00.28 x 0.41	07.2 x 10.5	17336
47000	0.03	140	00.28 x 0.41	07.2 x 10.5	17476
68000	0.02	220	00.28 x 0.41	07.2 x 10.5	17686

1800 Series

Through Hole Axial Inductors

Inductance: 4.7µH to 10mH

Current: Up to 5.35A I_{DC}

Operating temperature: 0 to 70°C

Height: 10.6mm (0.42")

Features: Custom & radial options available (see 1800R series)



Datasheet:			1800 Series		
Inductance	Current	DC Resistance	Dimensions		Model Number
			Inches	mm	
4.7	5.35	0.009	00.42 x 0.72	010.6 x 18.3	18472
6.8	4.15	0.012	00.42 x 0.72	010.6 x 18.3	18682
10	3.45	0.015	00.42 x 0.72	010.6 x 18.3	18103
15	3	0.018	00.42 x 0.72	010.6 x 18.3	18153
22	2.42	0.025	00.42 x 0.72	010.6 x 18.3	18223
33	2.2	0.04	00.42 x 0.72	010.6 x 18.3	18333
47	1.65	0.055	00.42 x 0.72	010.6 x 18.3	18473
68	1.35	0.07	00.42 x 0.72	010.6 x 18.3	18683
100	1.2	0.1	00.42 x 0.72	010.6 x 18.3	18104
150	1.1	0.17	00.42 x 0.72	010.6 x 18.3	18154
220	0.9	0.23	00.42 x 0.72	010.6 x 18.3	18224
250	0.8	0.26	00.42 x 0.72	010.6 x 18.3	18254
330	0.73	0.34	00.42 x 0.72	010.6 x 18.3	18334
470	0.6	0.47	00.42 x 0.72	010.6 x 18.3	18474
680	0.53	0.63	00.42 x 0.72	010.6 x 18.3	18684
1000	0.44	1	00.42 x 0.72	010.6 x 18.3	18105



1500	0.33	1.5	Ø0.42 x 0.72	Ø10.6 x 18.3	18155
2200	0.3	2.2	Ø0.42 x 0.72	Ø10.6 x 18.3	18225
3300	0.22	3.5	Ø0.42 x 0.72	Ø10.6 x 18.3	18335
4700	0.2	4.6	Ø0.42 x 0.72	Ø10.6 x 18.3	18475
6800	0.15	7	Ø0.42 x 0.72	Ø10.6 x 18.3	18685
10000	0.13	12	Ø0.42 x 0.72	Ø10.6 x 18.3	18106

1800R Series

Through Hole Radial Lead Inductors

Inductance: 4.7µH to 10mH

Current: Up to 5.35A I_{DC}

Operating temperature: 0 to 70°C

Height: 15.9mm (0.63")

Features: Custom & axial options available (see 1800 series)



Datasheet:			1800R Series			
Inductance	Current	DC Resistance	Dimensions		Model Number	
			Inches	mm		
µH	A	Ω				
4.7	5.35	0.009	Ø0.54 x 0.63	Ø13.7 x 15.9	18R472	
6.8	4.15	0.012	Ø0.54 x 0.63	Ø13.7 x 15.9	18R682	
10	3.45	0.015	Ø0.54 x 0.63	Ø13.7 x 15.9	18R103	
15	3	0.018	Ø0.54 x 0.63	Ø13.7 x 15.9	18R153	
22	2.42	0.025	Ø0.54 x 0.63	Ø13.7 x 15.9	18R223	
33	2	0.04	Ø0.54 x 0.63	Ø13.7 x 15.9	18R333	
47	1.65	0.055	Ø0.54 x 0.63	Ø13.7 x 15.9	18R473	
68	1.35	0.07	Ø0.54 x 0.63	Ø13.7 x 15.9	18R683	
100	1.2	0.1	Ø0.54 x 0.63	Ø13.7 x 15.9	18R104	
150	1.1	0.17	Ø0.54 x 0.63	Ø13.7 x 15.9	18R154	
220	0.9	0.23	Ø0.54 x 0.63	Ø13.7 x 15.9	18R224	
250	0.8	0.26	Ø0.54 x 0.63	Ø13.7 x 15.9	18R254	
330	0.73	0.34	Ø0.54 x 0.63	Ø13.7 x 15.9	18R334	
470	0.6	0.47	Ø0.54 x 0.63	Ø13.7 x 15.9	18R474	
680	0.53	0.63	Ø0.54 x 0.63	Ø13.7 x 15.9	18R684	
1000	0.44	1	Ø0.54 x 0.63	Ø13.7 x 15.9	18R105	
1500	0.33	1.5	Ø0.54 x 0.63	Ø13.7 x 15.9	18R155	
2200	0.3	2.2	Ø0.54 x 0.63	Ø13.7 x 15.9	18R225	
3300	0.22	3.5	Ø0.54 x 0.63	Ø13.7 x 15.9	18R335	
4700	0.2	4.6	Ø0.54 x 0.63	Ø13.7 x 15.9	18R475	
6800	0.15	7	Ø0.54 x 0.63	Ø13.7 x 15.9	18R685	
10000	0.13	12	Ø0.54 x 0.63	Ø13.7 x 15.9	18R106	

2200R Series

Through Hole Radial Lead Inductors

Inductance: 10µH to 68mH

Current: Up to 1.5A I_{DC}

Operating temperature: -25 to 70°C

Height: 10.5mm (0.41")

Features: Custom options available



Datasheet:			2200R Series			
Inductance	Current	DC Resistance	Dimensions		Model Number	
			Inches	mm		
µH	A	Ω				
10	1.62	0.05	Ø0.28 x 0.41	Ø7.2 x 10.5	22R103	
15	1.35	0.07	Ø0.28 x 0.41	Ø7.2 x 10.5	22R153	
22	1.08	0.09	Ø0.28 x 0.41	Ø7.2 x 10.5	22R223	
33	0.9	0.14	Ø0.28 x 0.41	Ø7.2 x 10.5	22R333	
47	0.77	0.22	Ø0.28 x 0.41	Ø7.2 x 10.5	22R473	
68	0.77	0.28	Ø0.28 x 0.41	Ø7.2 x 10.5	22R683	
100	0.67	0.39	Ø0.28 x 0.41	Ø7.2 x 10.5	22R104	

150	0.52	0.54	Ø0.28 x 0.41	Ø7.2 x 10.5	22R154
220	0.43	0.83	Ø0.28 x 0.41	Ø7.2 x 10.5	22R224
330	0.38	1.2	Ø0.28 x 0.41	Ø7.2 x 10.5	22R334
470	0.31	1.7	Ø0.28 x 0.41	Ø7.2 x 10.5	22R474
680	0.25	2.6	Ø0.28 x 0.41	Ø7.2 x 10.5	22R684
1000	0.17	3.6	Ø0.28 x 0.41	Ø7.2 x 10.5	22R105
1500	0.13	6.5	Ø0.28 x 0.41	Ø7.2 x 10.5	22R155
2200	0.11	8.6	Ø0.28 x 0.41	Ø7.2 x 10.5	22R225
3300	0.1	10	Ø0.28 x 0.41	Ø7.2 x 10.5	22R335
4700	0.081	13	Ø0.28 x 0.41	Ø7.2 x 10.5	22R475
6800	0.072	22	Ø0.28 x 0.41	Ø7.2 x 10.5	22R685
10000	0.063	37	Ø0.28 x 0.41	Ø7.2 x 10.5	22R106
15000	0.054	50	Ø0.28 x 0.41	Ø7.2 x 10.5	22R156
22000	0.045	83	Ø0.28 x 0.41	Ø7.2 x 10.5	22R226
33000	0.036	110	Ø0.28 x 0.41	Ø7.2 x 10.5	22R336
47000	0.027	154	Ø0.28 x 0.41	Ø7.2 x 10.5	22R476
68000	0.018	242	Ø0.28 x 0.41	Ø7.2 x 10.5	22R686

2300 Series

Surface Mount Drum Core Inductors

Inductance: 2.2 to 220µH

Current: Up to 2.1A I_{DC}

Operating temperature: -40 to 85°C

Height: 3.2mm (0.13")

Features: Shielded or Unshielded, Tape & Reel packaging



Datasheet:			2300 Series			
Inductance	Current	DC Resistance	Dimensions		Model Number	
			Inches	mm		
µH	A	Ω				
2.2	2.1	0.029	Ø0.18 x 0.13	Ø4.5 x 3.2	232R2	
3.3	1.8	0.044	Ø0.18 x 0.13	Ø4.5 x 3.2	233R3	
4.7	1.48	0.068	Ø0.18 x 0.13	Ø4.5 x 3.2	234R7	
6.8	1.22	0.1	Ø0.18 x 0.13	Ø4.5 x 3.2	236R8	
10	1.02	0.14	Ø0.18 x 0.13	Ø4.5 x 3.2	23100	
15	0.86	0.21	Ø0.18 x 0.13	Ø4.5 x 3.2	23150	
22	0.74	0.29	Ø0.18 x 0.13	Ø4.5 x 3.2	23220	
33	0.64	0.5	Ø0.18 x 0.13	Ø4.5 x 3.2	23330	
47	0.55	0.68	Ø0.18 x 0.13	Ø4.5 x 3.2	23470	
68	0.49	0.84	Ø0.18 x 0.13	Ø4.5 x 3.2	23680	
100	0.43	1.3	Ø0.18 x 0.13	Ø4.5 x 3.2	23101	
2.2	2.1	0.025	Ø0.24 x 0.13	Ø6.2 x 3.2	23S2R2	
3.3	1.8	0.031	Ø0.24 x 0.13	Ø6.2 x 3.2	23S3R3	
4.7	1.6	0.044	Ø0.24 x 0.13	Ø6.2 x 3.2	23S4R7	
6.8	1.4	0.064	Ø0.24 x 0.13	Ø6.2 x 3.2	23S6R8	
10	1.18	0.087	Ø0.24 x 0.13	Ø6.2 x 3.2	23S100	
12	1.08	0.11	Ø0.24 x 0.13	Ø6.2 x 3.2	23S120	
15	0.96	0.13	Ø0.24 x 0.13	Ø6.2 x 3.2	23S150	
18	0.88	0.14	Ø0.24 x 0.13	Ø6.2 x 3.2	23S180	
22	0.8	0.18	Ø0.24 x 0.13	Ø6.2 x 3.2	23S220	
27	0.72	0.22	Ø0.24 x 0.13	Ø6.2 x 3.2	23S270	
33	0.65	0.24	Ø0.24 x 0.13	Ø6.2 x 3.2	23S330	
39	0.6	0.37	Ø0.24 x 0.13	Ø6.2 x 3.2	23S390	
47	0.54	0.46	Ø0.24 x 0.13	Ø6.2 x 3.2	23S470	
56	0.5	0.51	Ø0.24 x 0.13	Ø6.2 x 3.2	23S560	
68	0.45	0.64	Ø0.24 x 0.13	Ø6.2 x 3.2	23S680	
100	0.37	0.78	Ø0.24 x 0.13	Ø6.2 x 3.2	23S101	
150	0.3	1.2	Ø0.24 x 0.13	Ø6.2 x 3.2	23S151	
220	0.25	2.3	Ø0.24 x 0.13	Ø6.2 x 3.2	23S221	

Unshielded

Shielded

For full datasheets go to: www.cd4power.com/magnetics

2400 Series

Surface Mount Drum Core Inductors

Inductance: 2.7 to 220 μ H

Current: Up to 3.1A I_{DC}

Operating temperature: -40 to 85°C

Height: 4.5mm (0.18")

Features: Shielded or Unshielded, Tape & Reel packaging



Datasheet:		2400 Series			
Inductance	Current	DC Resistance	Dimensions		Model Number
			Inches	mm	
μ H	A	Ω			
2.7	2.6	0.039	00.23 x 0.18	05.8 x 4.5	242R7
3.3	2.4	0.042	00.23 x 0.18	05.8 x 4.5	243R3
4.7	2.1	0.05	00.23 x 0.18	05.8 x 4.5	244R7
6.8	1.75	0.061	00.23 x 0.18	05.8 x 4.5	246R8
10	1.44	0.1	00.23 x 0.18	05.8 x 4.5	24100
12	1.36	0.1	00.23 x 0.18	05.8 x 4.5	24120
15	1.3	0.14	00.23 x 0.18	05.8 x 4.5	24150
18	1.26	0.2	00.23 x 0.18	05.8 x 4.5	24180
22	1.11	0.18	00.23 x 0.18	05.8 x 4.5	24220
33	0.88	0.23	00.23 x 0.18	05.8 x 4.5	24330
47	0.72	0.37	00.23 x 0.18	05.8 x 4.5	24470
100	0.52	0.7	00.23 x 0.18	05.8 x 4.5	24101
68	0.61	0.46	00.23 x 0.18	05.8 x 4.5	24680
150	0.4	1.1	00.23 x 0.18	05.8 x 4.5	24151
220	0.35	1.6	00.23 x 0.18	05.8 x 4.5	24221
2.7	3.1	0.028	00.30 x 0.18	07.7 x 4.5	24S2R7
3.3	2.8	0.032	00.30 x 0.18	07.7 x 4.5	24S3R3
4.7	2.39	0.037	00.30 x 0.18	07.7 x 4.5	24S4R7
6.8	2	0.045	00.30 x 0.18	07.7 x 4.5	24S6R8
10	1.64	0.07	00.30 x 0.18	07.7 x 4.5	24S100
12	1.5	0.074	00.30 x 0.18	07.7 x 4.5	24S120
15	1.34	0.09	00.30 x 0.18	07.7 x 4.5	24S150
18	1.22	0.091	00.30 x 0.18	07.7 x 4.5	24S180
22	1.1	0.12	00.30 x 0.18	07.7 x 4.5	24S220
33	0.9	0.19	00.30 x 0.18	07.7 x 4.5	24S330
47	0.75	0.24	00.30 x 0.18	07.7 x 4.5	24S470
68	0.63	0.37	00.30 x 0.18	07.7 x 4.5	24S680
100	0.52	0.54	00.30 x 0.18	07.7 x 4.5	24S101
150	0.42	0.86	00.30 x 0.18	07.7 x 4.5	24S151
220	0.35	1.3	00.30 x 0.18	07.7 x 4.5	24S221

Unshielded

Shielded

68	1.11	0.22	00.39 x 0.21	010.0 x 5.4	26680
100	0.97	0.35	00.39 x 0.21	010.0 x 5.4	26101
150	0.78	0.47	00.39 x 0.21	010.0 x 5.4	26151
220	0.66	0.73	00.39 x 0.21	010.0 x 5.4	26221
330	0.52	1.2	00.39 x 0.21	010.0 x 5.4	26331
470	0.42	1.5	00.39 x 0.21	010.0 x 5.4	26471
680	0.28	2.3	00.39 x 0.21	010.0 x 5.4	26681

Unshielded

3.3	4.6	0.033	00.50 x 0.21	012.6 x 5.4	26S3R3
4.7	3.8	0.038	00.50 x 0.21	012.6 x 5.4	26S4R7
6.8	3.21	0.043	00.50 x 0.21	012.6 x 5.4	26S6R8
10	2.65	0.05	00.50 x 0.21	012.6 x 5.4	26S100
12	2.55	0.058	00.50 x 0.21	012.6 x 5.4	26S120
15	2.45	0.06	00.50 x 0.21	012.6 x 5.4	26S150
18	2.32	0.074	00.50 x 0.21	012.6 x 5.4	26S180
22	2.2	0.07	00.50 x 0.21	012.6 x 5.4	26S220
33	1.8	0.1	00.50 x 0.21	012.6 x 5.4	26S330
47	1.5	0.12	00.50 x 0.21	012.6 x 5.4	26S470
68	1.26	0.17	00.50 x 0.21	012.6 x 5.4	26S680
100	1.05	0.25	00.50 x 0.21	012.6 x 5.4	26S101
150	0.85	0.4	00.50 x 0.21	012.6 x 5.4	26S151
220	0.7	0.52	00.50 x 0.21	012.6 x 5.4	26S221
330	0.57	0.8	00.50 x 0.21	012.6 x 5.4	26S331
470	0.48	1.2	00.50 x 0.21	012.6 x 5.4	26S471
680	0.4	1.8	00.50 x 0.21	012.6 x 5.4	26S681

Shielded

4000 Series

Surface Mount Toroidal Inductors

Inductance: 3.3 to 330 μ H

Current: Up to 5.2A I_{DC}

Operating temperature: -40 to 85°C

Height: 8.8mm (0.35")

Features: Toroidal construction reduces EMI



Datasheet:		4000 Series			
Inductance	Current	DC Resistance	Dimensions		Model Number
			Inches	mm	
μ H	A	Ω			
3.3	5.2	0.017	0.56x0.56x0.35	14.1x14.2x8.8	403R3
4.7	4.4	0.019	0.56x0.56x0.35	14.1x14.2x8.8	404R7
6.8	3.6	0.02	0.56x0.56x0.35	14.1x14.2x8.8	406R8
10	3	0.023	0.56x0.56x0.35	14.1x14.2x8.8	40100
15	2.4	0.03	0.56x0.56x0.35	14.1x14.2x8.8	40150
22	2.1	0.035	0.56x0.56x0.35	14.1x14.2x8.8	40220
33	1.66	0.054	0.56x0.56x0.35	14.1x14.2x8.8	40330
47	1.42	0.079	0.56x0.56x0.35	14.1x14.2x8.8	40470
68	1.2	0.15	0.56x0.56x0.35	14.1x14.2x8.8	40680
100	0.94	0.18	0.56x0.56x0.35	14.1x14.2x8.8	40101
150	0.76	0.27	0.56x0.56x0.35	14.1x14.2x8.8	40151
220	0.67	0.41	0.56x0.56x0.35	14.1x14.2x8.8	40221
330	0.54	0.61	0.56x0.56x0.35	14.1x14.2x8.8	40331

2600 Series

Surface Mount Drum Core Inductors

Inductance: 3.3 to 680 μ H

Current: Up to 4.6A I_{DC}

Operating temperature: -40 to 85°C

Height: 5.4mm (0.21")

Features: Shielded or Unshielded, Tape & Reel packaging



Datasheet:		2600 Series			
Inductance	Current	DC Resistance	Dimensions		Model Number
			Inches	mm	
μ H	A	Ω			
3.3	4.4	0.035	00.39 x 0.21	010.0 x 5.4	263R3
4.7	3.6	0.045	00.39 x 0.21	010.0 x 5.4	264R7
6.8	3.1	0.054	00.39 x 0.21	010.0 x 5.4	266R8
10	2.6	0.06	00.39 x 0.21	010.0 x 5.4	26100
12	2.42	0.068	00.39 x 0.21	010.0 x 5.4	26120
15	2.27	0.09	00.39 x 0.21	010.0 x 5.4	26150
18	2.1	0.087	00.39 x 0.21	010.0 x 5.4	26180
22	1.95	0.1	00.39 x 0.21	010.0 x 5.4	26220
33	1.5	0.12	00.39 x 0.21	010.0 x 5.4	26330
47	1.28	0.17	00.39 x 0.21	010.0 x 5.4	26470

Unshielded

Inductors

For full datasheets go to: www.cd4power.com/magnetics



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4100 Series

Surface Mount Toroidal Inductors

Inductance: 2.7 to 330µH
Current: Up to 8.1A I_{DC}
Operating temperature: -40 to 85°C
Height: 9.9mm (0.39")
Features: Toroidal construction reduces EMI



Datasheet:			4100 Series		
Inductance	Current	DC Resistance	Dimensions		Model Number
			Inches	mm	
2.7	8.1	0.014	0.66x0.69x0.39	16.8x17.5x9.9	412R7
4.7	6.7	0.018	0.66x0.69x0.39	16.8x17.5x9.9	414R7
6.8	5.7	0.02	0.66x0.69x0.39	16.8x17.5x9.9	416R8
10	4.7	0.024	0.66x0.69x0.39	16.8x17.5x9.9	41100
15	4	0.028	0.66x0.69x0.39	16.8x17.5x9.9	41150
22	3.3	0.033	0.66x0.69x0.39	16.8x17.5x9.9	41220
33	2.7	0.038	0.66x0.69x0.39	16.8x17.5x9.9	41330
47	2.2	0.062	0.66x0.69x0.39	16.8x17.5x9.9	41470
68	1.75	0.11	0.66x0.69x0.39	16.8x17.5x9.9	41680
100	1.47	0.16	0.66x0.69x0.39	16.8x17.5x9.9	41101
150	1.16	0.25	0.66x0.69x0.39	16.8x17.5x9.9	41151
220	1.03	0.38	0.66x0.69x0.39	16.8x17.5x9.9	41221
330	0.83	0.46	0.66x0.69x0.39	16.8x17.5x9.9	41331

4800 Series

Shielded SM Dual Wound Inductors

Inductance: 1.0 to 400µH
Current: Up to 12.3A I_{DC}
Operating temperature: -40 to 85°C
Height: 6.2mm (0.24")
Features: Can be used as an inductor, CMC or 1:1 transformer. Low EMI.



Datasheet:			4800 Series		
Inductance	Current	DC Resistance	Dimensions		Model Number
			Inches	mm	
1	12.3	0.009	0.48x0.48x0.24	12.2x12.2x6.2	481R0
2.2	8.3	0.014	0.48x0.48x0.24	12.2x12.2x6.2	482R2
3.3	6.8	0.019	0.48x0.48x0.24	12.2x12.2x6.2	483R3
4	6.15	0.018	0.48x0.48x0.24	12.2x12.2x6.2	481R0
4.7	5.7	0.029	0.48x0.48x0.24	12.2x12.2x6.2	484R7
6.8	4.7	0.04	0.48x0.48x0.24	12.2x12.2x6.2	486R8
8.8	4.15	0.027	0.48x0.48x0.24	12.2x12.2x6.2	482R2
10	3.9	0.061	0.48x0.48x0.24	12.2x12.2x6.2	48100
13.2	3.4	0.038	0.48x0.48x0.24	12.2x12.2x6.2	483R3
15	3.2	0.077	0.48x0.48x0.24	12.2x12.2x6.2	48150
18.8	2.85	0.059	0.48x0.48x0.24	12.2x12.2x6.2	484R7
22	2.6	0.12	0.48x0.48x0.24	12.2x12.2x6.2	48220
27.2	2.35	0.08	0.48x0.48x0.24	12.2x12.2x6.2	486R8
33	2.1	0.18	0.48x0.48x0.24	12.2x12.2x6.2	48330
40	1.95	0.12	0.48x0.48x0.24	12.2x12.2x6.2	48100
47	1.8	0.27	0.48x0.48x0.24	12.2x12.2x6.2	48470
60	1.6	0.15	0.48x0.48x0.24	12.2x12.2x6.2	48150
68	1.5	0.41	0.48x0.48x0.24	12.2x12.2x6.2	48680
88	1.3	0.24	0.48x0.48x0.24	12.2x12.2x6.2	48220
100	1.23	0.5	0.48x0.48x0.24	12.2x12.2x6.2	48101
132	1.05	0.37	0.48x0.48x0.24	12.2x12.2x6.2	48330
188	0.9	0.55	0.48x0.48x0.24	12.2x12.2x6.2	48470
272	0.75	0.82	0.48x0.48x0.24	12.2x12.2x6.2	48680
400	0.62	1	0.48x0.48x0.24	12.2x12.2x6.2	48101

4700 Series

Shielded SM Dual Wound Inductors

Inductance: 1.0 to 400µH
Current: Up to 9.5A I_{DC}
Operating temperature: -40 to 85°C
Height: 5.0mm (0.20")
Features: Can be used as an inductor, CMC or 1:1 transformer. Low EMI.



Datasheet:			4700 Series		
Inductance	Current	DC Resistance	Dimensions		Model Number
			Inches	mm	
1	9.5	0.009	0.48x0.48x0.20	12.2x12.2x5.0	471R0
2.2	6.8	0.014	0.48x0.48x0.20	12.2x12.2x5.0	472R2
3.3	5.5	0.023	0.48x0.48x0.20	12.2x12.2x5.0	473R3
4	4.75	0.018	0.48x0.48x0.20	12.2x12.2x5.0	471R0
4.7	4.6	0.032	0.48x0.48x0.20	12.2x12.2x5.0	474R7
6.8	3.9	0.045	0.48x0.48x0.20	12.2x12.2x5.0	476R8
8.8	3.4	0.027	0.48x0.48x0.20	12.2x12.2x5.0	472R2
10	3.2	0.07	0.48x0.48x0.20	12.2x12.2x5.0	47100
13.2	2.75	0.047	0.48x0.48x0.20	12.2x12.2x5.0	473R3
15	2.6	0.11	0.48x0.48x0.20	12.2x12.2x5.0	47150
18.8	2.3	0.065	0.48x0.48x0.20	12.2x12.2x5.0	474R7
22	2.1	0.17	0.48x0.48x0.20	12.2x12.2x5.0	47220
27.2	1.95	0.09	0.48x0.48x0.20	12.2x12.2x5.0	476R8
33	1.8	0.21	0.48x0.48x0.20	12.2x12.2x5.0	47330
40	1.6	0.14	0.48x0.48x0.20	12.2x12.2x5.0	47100
47	1.47	0.3	0.48x0.48x0.20	12.2x12.2x5.0	47470
60	1.3	0.21	0.48x0.48x0.20	12.2x12.2x5.0	47150
68	1.22	0.46	0.48x0.48x0.20	12.2x12.2x5.0	47680
88	1.05	0.33	0.48x0.48x0.20	12.2x12.2x5.0	47220
100	1.01	0.69	0.48x0.48x0.20	12.2x12.2x5.0	47101
132	0.9	0.41	0.48x0.48x0.20	12.2x12.2x5.0	47330
188	0.74	0.6	0.48x0.48x0.20	12.2x12.2x5.0	47470
272	0.61	0.91	0.48x0.48x0.20	12.2x12.2x5.0	47680
400	0.51	1.4	0.48x0.48x0.20	12.2x12.2x5.0	47101

4900 Series

Shielded SM Dual Wound Inductors

Inductance: 2.2 to 880µH
Current: Up to 9.5A I_{DC}
Operating temperature: -40 to 85°C
Height: 8.0mm (0.31")
Features: Can be used as an inductor, CMC or 1:1 transformer. Low EMI.



Datasheet:			4900 Series		
Inductance	Current	DC Resistance	Dimensions		Model Number
			Inches	mm	
2.2	9.5	0.013	0.47x0.47x0.31	12.0x12.0x8.0	492R2
3.3	7.8	0.015	0.47x0.47x0.31	12.0x12.0x8.0	493R3
4.7	6.5	0.017	0.47x0.47x0.31	12.0x12.0x8.0	494R7
6.8	5.4	0.027	0.47x0.47x0.31	12.0x12.0x8.0	496R8
8.8	4.75	0.025	0.47x0.47x0.31	12.0x12.0x8.0	492R2
10	4.5	0.041	0.47x0.47x0.31	12.0x12.0x8.0	49100
13.2	3.9	0.03	0.47x0.47x0.31	12.0x12.0x8.0	493R3
15	3.7	0.053	0.47x0.47x0.31	12.0x12.0x8.0	49150
18.8	3.25	0.034	0.47x0.47x0.31	12.0x12.0x8.0	494R7
22	3	0.081	0.47x0.47x0.31	12.0x12.0x8.0	49220
27.2	2.7	0.054	0.47x0.47x0.31	12.0x12.0x8.0	496R8
33	2.5	0.13	0.47x0.47x0.31	12.0x12.0x8.0	49330
40	2.25	0.082	0.47x0.47x0.31	12.0x12.0x8.0	49100
47	2.1	0.19	0.47x0.47x0.31	12.0x12.0x8.0	49470
60	1.85	0.11	0.47x0.47x0.31	12.0x12.0x8.0	49150

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68	1.71	0.23	0.47x0.47x0.31	12.0x12.0x8.0	49680
88	1.5	0.16	0.47x0.47x0.31	12.0x12.0x8.0	49220
100	1.41	0.35	0.47x0.47x0.31	12.0x12.0x8.0	49101
132	1.25	0.26	0.47x0.47x0.31	12.0x12.0x8.0	49330
150	1.15	0.53	0.47x0.47x0.31	12.0x12.0x8.0	49151
188	1.05	0.38	0.47x0.47x0.31	12.0x12.0x8.0	49470
220	0.95	0.81	0.47x0.47x0.31	12.0x12.0x8.0	49221
272	0.86	0.47	0.47x0.47x0.31	12.0x12.0x8.0	49680
400	0.71	0.7	0.47x0.47x0.31	12.0x12.0x8.0	49101
600	0.58	1.1	0.47x0.47x0.31	12.0x12.0x8.0	49151
880	0.48	1.6	0.47x0.47x0.31	12.0x12.0x8.0	49221

1000 Series

Pulse Transformers

- Industry Standard TH Pinout
- Up to 400V_{μS} E_T Constant
- UL94V-0 Rated Package Material



Datasheet:

1000 Series

Turns Ratio (±2%)	Primary ET Constant (Min)	Primary Inductance (Min)	DC Resistance			Isolation Voltage (Max)	Leakage Inductance (Max)	Interwinding Capacitance (Max)	Model Number
			Primary	Secondary 1	Secondary 2				
1:1	V _{μS}	mH	Ω	Ω	Ω	V _{rms}	μH	pF	1001
1:1	200	3	1.2	1.0	-	2000	22	23	1002
1:1	200	3	1.4	1.3	1.7	2000	9	28	1002
2:1:1	400	12	4.0	1.8	2.4	2000	35	30	1003

766 Series

General Purpose Pulse Transformers

- Toroidal construction reduces EMI
- Up to 50V_{μS} E_T Constant
- Used in Line Coupling, Matching and Isolating Applications
- 1:1 Variants can also be used as Common Mode Chokes
- Isolation Voltage to 500V_{DC}



Datasheet:

766 Series

Turns Ratio (±2%)	Primary ET Constant (Min)	Primary Inductance (Min)	Primary DC Resistance	Leakage Inductance (Max)	Interwinding Capacitance (Max)	Model Number
1:1	17.5	2060	1.5	0.6	49	76600/1
1:1	8.5	492	0.8	0.3	22	76600/2
1:1	5.5	219	0.5	0.25	14	76600/3
1:1	4	50	0.4	0.2	10	76600/4
1:1	18.5	2060	1.5	0.6	49	76601/1
1:1	9.5	492	0.8	0.3	22	76601/2
1:1	2.5	20.1	0.2	0.2	5	76601/20
1:1	10.5	938	0.15	0.2	35	76601/23
1:1	50.5	1170	1.35	0.4	250	76601/24
1:1	6.5	219	0.5	0.25	12	76601/3
1:1	6	9.5	0.4	0.2	13	76601/6
1:1	17.5	2060	1.5	0.6	72	76602/1
1CT:1CT	45	3200	1.0	2	52	76615/1
2CT:1CT	23	4350	1.0	3	35	76616/3

786 Series

General Purpose Pulse Transformers

- Toroidal Construction reduces EMI
- Up to 56V_{μS} E_T Constant
- Isolation Voltage to 1kV_{RMS}
- DIL/SMD Packages Available
- Tape & Reel option



Datasheet:

786 Series

Turns Ratio (±2%)	Primary ET Constant (Min)	Primary Inductance (Min)	Primary DC Resistance	Leakage Inductance (Max)	Interwinding Capacitance (Max)	Model Number
1:1	4	100	0.17	0.19	8	78601/4
1:1	6	200	0.25	0.2	14	78601/3
1:1	10	500	0.34	0.25	22	78601/2
1:1	15	1000	0.45	0.29	35	78601/8
1:1	20	2000	0.6	0.47	49	78601/1
1:1	28	5000	0.84	0.47	78	78601/16
1:1	56	10000	1.3	0.86	121	78601/9
1:1:1	4	100	0.18	0.11	12	78602/4
1:1:1	6	200	0.24	0.17	19	78602/3
1:1:1	10	500	0.34	0.27	32	78602/2
1:1:1	15	1000	0.46	0.35	47	78602/8
1:1:1	20	2000	0.66	0.6	72	78602/1
1:1:1	28	5000	0.92	0.71	116	78602/16
1:1:1	56	10000	1.34	0.71	167	78602/9
2:1	4	100	0.18	0.41	4	78604/4
2:1	6	200	0.25	0.49	9	78604/3
2:1	10	500	0.34	0.65	13	78604/2
2:1	15	1000	0.46	0.76	20	78604/8
2:1	20	2000	0.6	0.99	29	78604/1
2:1	28	5000	0.85	1.61	50	78604/16
2:1	56	10000	1.23	1.64	72	78604/9
1CT:1	4	100	0.2	0.3	7	78613/4
1CT:1	6	200	0.25	0.65	12	78613/3
1CT:1	10	500	0.36	1.07	20	78613/2
1CT:1	15	1000	0.48	1.13	35	78613/8
1CT:1	20	2000	0.63	1.53	47	78613/1
1CT:1	28	5000	0.88	1.98	64	78613/16
1CT:1	56	10000	1.33	3.83	72	78613/9
1CT:1CT	4	100	0.17	1.21	3	78615/4
1CT:1CT	6	200	0.24	3.64	5	78615/3
1CT:1CT	10	500	0.34	6.86	7	78615/2
1CT:1CT	15	1000	0.45	11.9	10	78615/8
1CT:1CT	20	2000	0.6	16	16	78615/1
1CT:1CT	28	5000	0.87	37.7	20	78615/16
1CT:1CT	56	10000	1.33	44.5	19	78615/9

5600 Series

Current Sensing Transformers

- 50, 100, 200 & 300 Turn variants
- Primary current rating to 10A
- Primary to secondary isolation 500VDC
- 20kHz-200kHz frequency range
- Centre tapped variants available



Datasheet:

5600 Series

Number of Turns	Inductance Range	DC Resistance	Terminating Resistance to Produce 1VOUT/1AIN		Model Number
			Ω ±5%	Ω ±5%	
±1Turn	Pins 1&3, 5kHz	Pins 1&3, Ω			
50	5.00 - 9.30mH @1V	0.133 - 0.199	50		56050
100	20.0 - 37.0mH @1V	0.93 - 1.40	100		56100
200	80.0 - 150mH @2V	1.87 - 2.81	200		56200
300	180 - 335mH @3V	5.73 - 8.59	300		56300
100CT	20.0 - 37.0mH @1V	0.93 - 1.40	100		56T100
200CT	80.0 - 150mH @2V	1.87 - 2.81	200		56T200
300CT	180 - 335mH @3V	5.73 - 8.59	300		56T300

For full datasheets go to: www.cd4power.com/magnetics



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Maxim Compatible Transformers

- For use with MAX250 & MAX253 Chipsets
- 3.3 & 5.0V Versions
- EN60950 Versions Available – 6kV_{DC} Isolation
- Tape & Reel and SMD Options
- Operating Frequency Range to 500kHz
- Toroidal construction reduces EMI



Datasheets: 76250EN, 76235/XXEN / 78250 Series / 78253					
Parameter	Conditions	Min	Typ	Max	Units
78250(M) – Turns Ratio 1:1 (MAX 250 Compatible) Datasheet: 78250 Series					
Isolation Voltage	Flash tested for 1 second	1.5			kVrms
Primary Inductance L _P	10kHz, 100mV	1.0	2.0	2.5	mH
Leakage Inductance L _L	100kHz, 100mV		2.0	3.0	μH
Interwinding Capacitance C _{WW}	100kHz, 100mV		5.0	10	pF
DC Resistance R _{DC}	<0.1VDC		1.0	2.0	Ω
Volt-time Product E _T	5kHz, 5V	50			Vμs
78250(M)V – Turns Ratio 1:1 (MAX 250 Compatible) Datasheet: 78250 Series					
Isolation Voltage	Flash tested for 1 second	7.0			kVrms
Primary Inductance L _P	10kHz, 100mV	1.0	2.0	2.5	mH
Leakage Inductance L _L	100kHz, 100mV		35	40	μH
Interwinding Capacitance C _{WW}	100kHz, 100mV		9	12	pF
DC Resistance R _{DC}	<0.1VDC		1.4	1.8	Ω
Volt-time Product E _T	5kHz, 5V	50			Vμs
76250EN – Turns Ratio 1CT:1 Safety Approved Txfr Datasheet: 7625XEN					
Isolation Voltage	Flash tested for 1 second	6.0			kVDC
Primary Inductance L _P	10kHz, 100mV	1.0	2.0	2.5	mH
Leakage Inductance L _L	100kHz, 100mV		35	40	μH
Interwinding Capacitance C _{WW}	100kHz, 100mV		5.0	10	pF
DC Resistance R _{DC}	<0.1VDC		1.0	2.0	Ω
Volt-time Product E _T	5kHz, 5V	50			Vμs
78253/35(M) – Turns Ratio 1:√5 (MAX 253 Compatible) Datasheet: 78253 Series					
Isolation Voltage	Flash tested for 1 second	1.5			kVDC
Primary Inductance L _P	100kHz, 250mV	0.30	0.38	0.46	mH
Secondary Inductance L _S	100kHz, 250mV	1.60	2.00	2.40	mH
Leakage Inductance L _L	100kHz, 250mV		0.30	1.00	μH
Interwinding Capacitance C _{WW}	100kHz, 250mV		30	50	pF
DC Resistance R _{DC}	<0.1VDC		0.40	1.00	Ω
Volt-time Product E _T	5kHz, 5V	50	80		Vμs
78253/35(M)V – Turns Ratio 1:√5 (MAX 253 Compatible) Datasheet: 78253 Series					
Isolation Voltage	Flash tested for 1 second	4.0			kVDC
Primary Inductance L _P	100kHz, 20mV	110	142	185	μH
Secondary Inductance L _S	100kHz, 20mV	550	710	850	μH
Leakage Inductance L _L	100kHz, 250mV		3.00	5.00	μH
Interwinding Capacitance C _{WW}	100kHz, 250mV		4.20	8.00	pF
DC Resistance R _{DC}	<0.1VDC		0.30	0.50	Ω
Volt-time Product E _T	5kHz, 5V	30	42		Vμs
76253/35EN – Turns Ratio 1:√5 Safety Approved Txfr Datasheet: 7625XEN					
Isolation Voltage	Flash tested for 1 second	6.0			kVDC
Primary Inductance L _P	100kHz, 250mV	53	92	120	μH
Secondary Inductance L _S	100kHz, 250mV	350	460	600	μH
Leakage Inductance L _L	100kHz, 250mV		1.5	3.6	μH
Interwinding Capacitance C _{WW}	100kHz, 250mV		1.8	3.00	pF
DC Resistance R _{DC}	<0.1VDC		0.60	1.00	Ω
Volt-time Product E _T	5kHz, 5V	20	35		Vμs
78253/55(M) – Turns Ratio 1:1.33 (MAX 253 Compatible) Datasheet: 78253 Series					
Isolation Voltage	Flash tested for 1 second	1.5			kVDC
Primary Inductance L _P	100kHz, 250mV	0.60	0.83	1.10	μH
Secondary Inductance L _S	100kHz, 250mV	1.10	1.40	1.70	μH
Leakage Inductance L _L	100kHz, 250mV		0.35	1.00	μH
Interwinding Capacitance C _{WW}	100kHz, 250mV		30	50	pF
DC Resistance R _{DC}	<0.1VDC		0.70	1.50	Ω
Volt-time Product E _T	5kHz, 5V	50	65		Vμs
78253/55(M)V – Turns Ratio 1:1.33 (MAX 253 Compatible) Datasheet: 78253 Series					
Isolation Voltage	Flash tested for 1 second	4.0			kVDC
Primary Inductance L _P	100kHz, 20mV	190	240	310	μH
Secondary Inductance L _S	100kHz, 20mV	350	444	540	μH
Leakage Inductance L _L	100kHz, 250mV		5.20	8.00	μH
Interwinding Capacitance C _{WW}	100kHz, 250mV		4.20	8.00	pF
DC Resistance R _{DC}	<0.1VDC		0.40	0.60	Ω
76253/55EN – Turns Ratio 1:1.33 Safety Approved Txfr Datasheet: 7625XEN					
Isolation Voltage	Flash tested for 1 second	6.0			kVDC
Primary Inductance L _P	100kHz, 250mV	120	205	250	μH

Secondary Inductance L _S	100kHz, 250mV	280	362	445	μH
Leakage Inductance L _L	100kHz, 250mV		3.90	5.00	μH
Interwinding Capacitance C _{WW}	100kHz, 250mV		1.20	3.00	pF
DC Resistance R _{DC}	<0.1VDC		0.90	1.50	Ω
Volt-time Product E _T	5kHz, 5V	20	23		Vμs

Dual & Quad Databus Isolators

- TTL to CMOS Bi-Directional Logic Conversion
- Toroidal construction reduces EMI
- Dual/Quad Variants
- Isolation Voltage to 700V_{DC}
- Low Profile



Datasheets:		1600 Series					
Isolator Type	Function	Pulse Width (Max)	Turns Ratio	Primary Inductance (Typ)	Interwinding Capacitance (Typical)	Package Style	Model Number
Dual	5V to 5V Logic Isolation	5	1:1	3	60	DIL	1601
Quad	5V to 5V Logic Isolation	5	1:1	3	60	DIL	1600
Quad	5V to 15V Logic Isolation	2.6	1:3	1	34	DIL	1630

Digital Audio Transformers

- Designed for use in Audio Equipment (eg. Hi-Fi, Video etc.)
- Compliant with AES/EBU Standards
- Isolation to 1kV_{RMS}
- Tape & Reel and SMD Options Available
- Compatible with Leading Chipsets



Datasheets:		DA100 Series					
Turns Ratio	E _T Constant (Min)	Primary Inductance (Min)	Leakage Inductance (Max)	Return Loss (Min)	Common Mode Rejection (Typ)	Package Style	Model Number
1:1	15	1.00-1.59	0.22	46.8	52.1	DIL	DA101
	20	2.00-3.00	0.39	40.4	49.7		DA102
	28	4.00-5.96	0.91	36.3	46.4		DA103
	15	1.00-1.59	0.22	46.8	52.1	SMD	DA101M-R
	20	2.00-3.00	0.39	40.4	49.7		DA102M-R
	28	4.00-5.96	0.91	36.3	46.4		DA103M-R

Differential/Common-Mode Filters

- Compatible with most modern switching DC/DC converters
- Provides both CM & DM filtering
- UL Approved
- UL94V-0 Rated Package Material

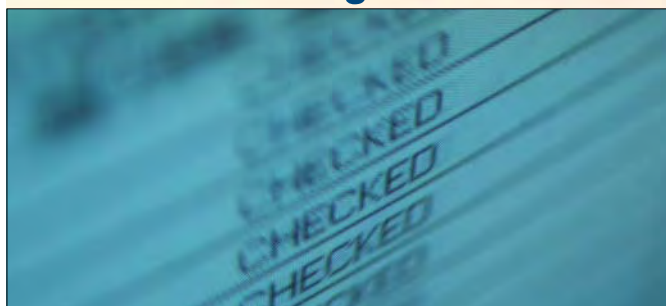


Datasheets:		FLT Series			
Average Current	Input Voltage	Typical Resistance Per Leg	Common Mode Insertion Loss	Differential Mode Insertion Loss	Model Number
A (Max.)	V (Max.)	mΩ (Max.)	dB (Typ.)	dB (Typ.)	
10	100	4.8	-37	-58	FLT-100V10
20	100	9.5	-29	-48	FLT-100V20

C&D Technologies



Well Proven Designs

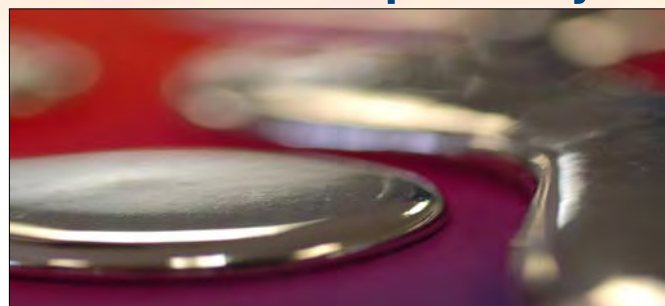


To allow you to design C&D products into your application with absolute confidence, we operate a comprehensive program of design verification.

This Design Verification Testing (DVT) process ensures that the specifications stated on our datasheets accurately represent the performance of our products. Tests are product specific but generally include:

Test	Standard
Electrical Characteristics	C&D Technologies internal
Solderability	CEIA ANSI/J-STD-002
Lead Temperature (Solder Heat)	C&D Technologies internal
Peak Reflow Temperature	CECC 00802
Isolation	C&D Technologies internal
Lead Finish Adhesion	Mil-Std 883E/2025.4
Temperature Cycling	Mil-Std 883E/1010.7
Mechanical Shock	Mil-Std 883E/2002.3
Vibration	Mil-Std 883E/2007.2
Bump	ETS 300 019-2-4
High Temperature Storage Life	EIA JESD 22-A103-A
Humidity Bias	EIA JESD 22-A101-B
Flammability	BS EN 60695-11-7
Lead Integrity Tension & Fatigue	Mil-Std 883E/2004
Solvent Resistance	Mil-Std 883E/2015.11
Coplanarity	EIA JESD22-B108

Environmental Responsibility



C&D Technologies is committed to achieving compliance with the European RoHS and WEEE directives which aim to reduce waste and its impact on the environment.

RoHS (Restriction of Hazardous Substances) Directive

RoHS is a European Parliament Directive requiring member states to legislate that electrical/electronic equipment sold after July 1st 2006 does not contain six potentially hazardous substances including lead (Pb).

WEEE (Waste Electrical & Electronic Equipment) Directive

This is another European directive which aims to:

- reduce the amount of electrical waste that is dumped in land fill sites every year within the European community
- develop a holistic view, on a global basis, that there is a real requirement to adopt a "cradle to grave" philosophy relating to Producer Responsibility.

These directives are among many legislative activities around the world which are driving the conversion to RoHS compliant, Pb-free components.

Our Policy

At C&D Technologies we have put in place comprehensive plans to migrate to RoHS compliant technologies with minimum disruption to customers and without compromise in critical areas such as product performance, reliability and cost.

Since the announcement of the RoHS Directive we have been working with our supplier base to eliminate non-compliant materials from the components in our products. Pb-free assembly lines are in place at all our manufacturing facilities to ensure that all available products are RoHS compliant by the July 06 deadline.

We constantly strive to improve our manufacturing processes and improve our level of environmental awareness. In addition to the move to Pb-free processes, recycling of waste materials, reduction of energy used, and the design of new products to accommodate end of life recycling are key areas where we are making positive progress towards a more environmentally friendly future.

For the latest information please visit our website.

For full datasheets go to: www.cd4power.com/magnetics



DC/DC Converters

C&D Technologies are proud to offer the largest range of DC/DC Converters available from a single manufacturer. Our ever increasing product portfolio includes all the options you'll ever need, including:



- **Isolated DC/DC Converters**
Single, dual, triple and quad output from 0.25 to 340 Watts.
- **Point-of-Load Converters**
From 0.75 to 5V outputs (including user-selectable versions) at current levels from 0.5 to 50A.
- **Processor & Memory Support**
Support for 64 & 32-bit processors and DDR1 & DDR2 memory.
- **Bus Converters**
Designed to take advantage of the high-efficiency and cost savings of intermediate bus architectures.
- **Digital Power**
Digital IBA - a multi-source open architecture power solution that utilizes an industry-standard 1°C interface to allow you to configure your power system (up to 32 PoLs) in less than 1 hour.
- **Factorized Power**
V•I Chips delivering up to 300W available in 'in-board' BGA configuration or as 'on-board' J-lead SMDs.

AC/DC Power Supplies

C&D Technologies has AC/DC power supplies to meet every possible application requirement in terms of power, performance, efficiency, protection, size, approvals compliance, and cooling requirements.



- **Military**
Our military specialists at Celab have over 30 years' experience designing and producing power supplies for Avionic, Naval, Tracked, Land and Portable.
- **CATV / Telco**
Ultra-reliable, ruggedized power supplies for harsh CATV and Telecommunications
- **PCI & cPCI**
From 200-500W, many with IPMI functionality in packages as small as 3U x 4HP
- **Configurable**
400-1000W, up to 12 Output, general & medical configurations
- **Front End Modules for DPAs**
AC to 48VDC ultra compact front end supplies for distributed power architectures with active power factor correction
- **Custom Power Supplies**
Our design teams have the engineering expertise, experience, tools, processes and manufacturing capabilities to meet your needs

Digital Panel Meters

Over 25 years of designing and manufacturing digital panel meters has not dulled our spirit of innovation. Today we are focusing on specific applications of 2-wire meters, process monitors and AC or DC ammeters that are the easiest-to-use, most affordable meters available.



- **General Purpose Voltmeters**
Versatile, 12-pin, dual-in-line package offering component like "plug-in" convenience for pc-board mounting as well as a built-in bezel for easy panel mounting.
- **2-Wire Meters**
Power your measuring instrument with the signal you're measuring! Measure the voltage at a standard USA-style wall outlet simply by "plugging in" an AC line monitor. Monitor the 400MHz frequency of an aircraft power generator without worrying about "proper" grounding.
- **Process Monitors**
4/20mA and 0-10V process control monitors
- **AC Ammeters**
Directly measure AC currents from 0-2A to 0-100A
- **DC Ammeters**
Include built-in shunts, reverse-polarity protection, and connections for all supply and load wiring

Data Acquisition

Our leadership status in high-performance data acquisition components is unchallenged. Our outstanding electrical performance, small packaging, low-power consumption and ease-of-use will genuinely impress you.



- **Electronic Imaging**
Resolution from 8 to 18-bits and sampling rates 20MSPS, Low cost commercial and military high-reliability versions
- **A/D Converters**
- **Sampling A/D Converters**
Ideal for high-end applications such as medical or life-science imaging, analytical instrumentation and military pulse and spread-spectrum applications
- **Digital-to-Analog Converters**
Settling times to 20 nanoseconds, update rates to 100MHz
- **Sample/Hold Amplifiers**
Accuracies from 0.01% to 0.0008% (12 to 16 bit equivalent resolution)
- **Single-Package Data Acquisition**
Multi-channel with differential or single-ended options
- **Multiplexers**

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