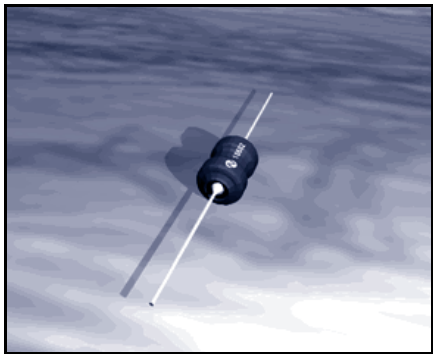
C&D TECHNOLOGIES
Power Solutions

1800 SERIES
Axial Lead Inductors



FEATURES

- Axial Format
- Up to 5.35A IDC
- 4.7µH to 10mH
- Low DC Resistance
- Compact Size
- Fully Tinned Leads
- MIL-I-23053/5 Class III Sleeving
- Supplied in Packs of 10
- Custom & Radial Parts Available

DESCRIPTION

The 1800 Series of inductors are particularly suited to use with a wide variety of switching regulators. Offering high current handling with a low mounting height, the devices are ideal where space is at a premium.

SELECTION GUIDE

	Inductance	DC Resistance	DC Current Continuous	Nominal Q at f kHz		Nominal Self Resonant Frequency
Order Code	±10% (at 1kHz) µH	mΩ MAX	A MAX	Q	f	MHz
18472	4.7	9	5.35	112	1000	36.4
18682	6.8	12	4.15	78	500	23.6
18103	10	15	3.45	64	500	19.0
18153	15	18	3.00	55	500	15.9
18223	22	25	2.42	59	500	11.8
18333	33	40	2.00	48	500	11.5
18473	47	55	1.65	55	500	8.5
18683	68	70	1.35	31	100	6.6
18104	100	100	1.20	40	100	7.4
18154	150	165	1.10	47	100	4.4
18224	220	230	0.90	46	100	3.5
18254	250	255	0.80	50	100	3.7
18334	330	335	0.73	58	100	3.0
18474	470	465	0.60	56	100	2.2
18684	680	630	0.53	55	100	2.0
18105	1mH	1.0Ω	0.44	94	50	1.6
18155	1.5mH	1.5Ω	0.33	107	50	1.3
18225	2.2mH	2.2Ω	0.30	108	50	1.1
18335	3.3mH	3.5Ω	0.22	143	50	0.8
18475	4.7mH	4.6Ω	0.20	128	40	0.7
18685	6.8mH	7.0Ω	0.15	144	40	0.6
18106	10mH	12Ω	0.13	143	40	0.5

TYPICAL CORE CHARACTERISTICS

Inductance Temperature Coefficient	Resistance Temperature Coefficient	Curie Temperature T_C	Saturation Flux B_{SAT}
450ppm	4000ppm	190°C	325mT

ABSOLUTE MAXIMUM RATINGS

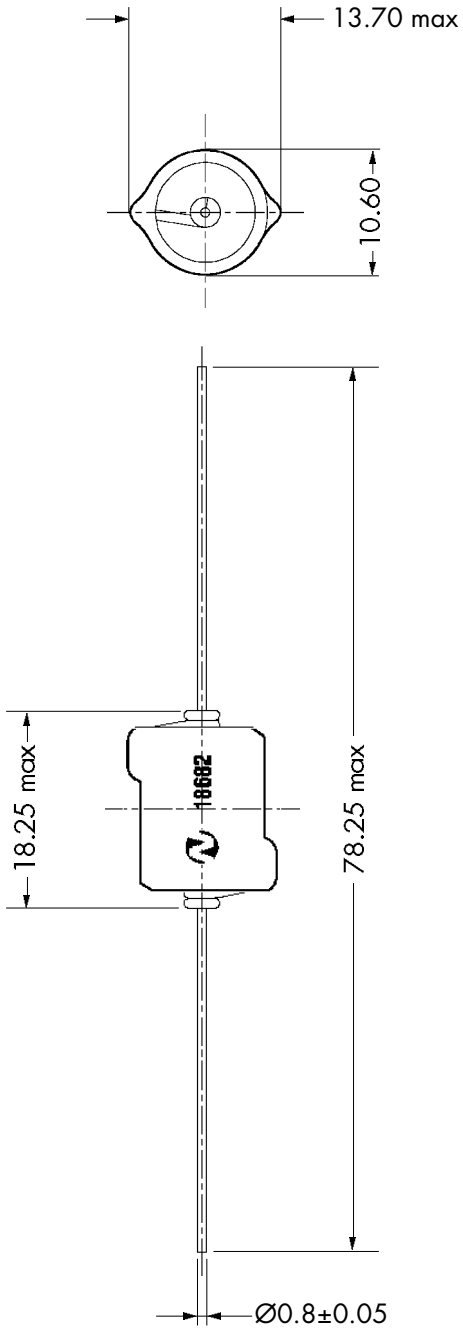
Operating free air temperature range	0°C to 70°C
Storage temperature range	–55°C to 125°C

Specifications typical at T_A =25°C

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MECHANICAL DIMENSIONS



All dimensions in mm XX.XX±0.25

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