2200R SERIES
Miniature Radial Lead Inductors

features

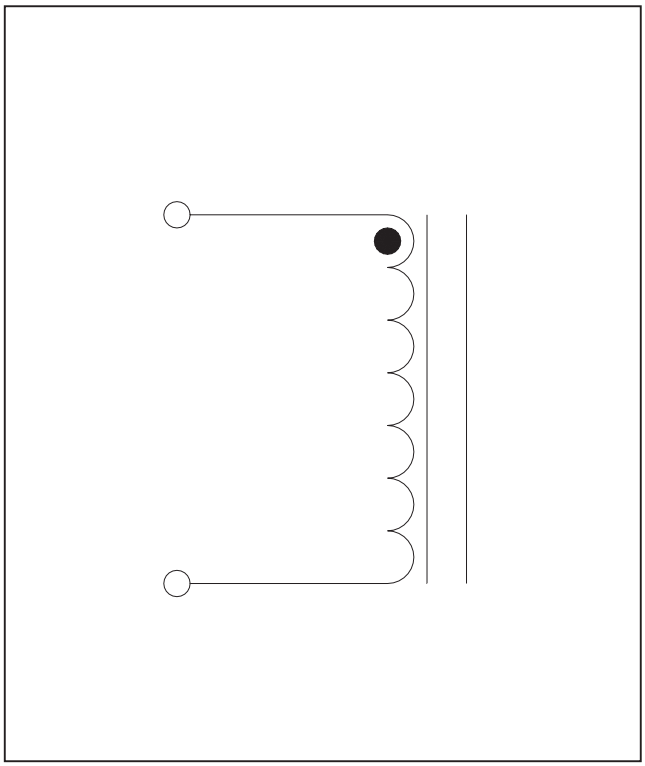
- Radial Format
- Up to 1.5A IDC
- 10mH to 2.2mH
- Low DC Resistance
- Miniature Size
- PCB Mounting
- MIL-I-23053/5 Class I & II Sleeving
- Fully Tinned Leads
- Supplied in Bags of 100
- Custom Parts Available

description

The 2200R Series is a general-purpose range of inductors suitable for low to medium current applications. Their small footprint makes them ideal for high-density applications where a chip inductor will not cope with the power requirement.

PRELIMINARY
Notice : This is not a final specification.
Some parametric limits may be subject to change.

schematic



absolute maximum ratings

Operating free air temperature range . . . . . –25°C to 70°C

Storage temperature range . . . . . –50°C to 125°C

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electrical specifications

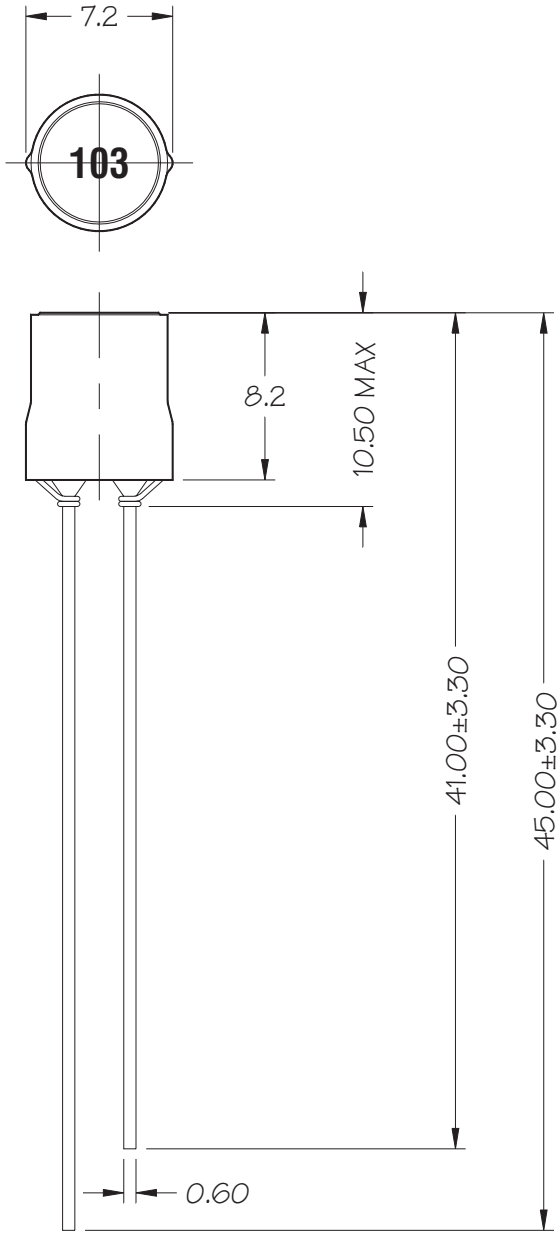
Specifications typical at T_A=25°C

Part Number	Inductance (±10%) (at 1kHz) µH	MAX DC Resistance Ω	DC Current Continuous A	Nominal Q at f kHz		Nominal Self Resonant Frequency MHz
				Q	f	
22R 103	10	0.07	1.50	140	1400	40.00
22R 153	15	0.80	1.10	150	1400	30.00
22R 223	22	0.11	1.00	150	950	20.00
22R 333	33	0.15	0.92	150	950	15.00
22R 473	47	0.28	0.78	160	600	12.80
22R 683	68	0.30	0.77	150	700	6.80
22R 104	100	0.50	0.66	160	450	6.00
22R 154	150	0.54	0.52	160	300	4.40
22R 224	220	1.05	0.44	150	250	3.70
22R 334	330	1.21	0.38	150	250	3.30
22R 474	470	1.87	0.31	140	250	2.90
22R 684	680	2.70	0.25	120	250	2.20
22R 105	1mH	3.80	0.17	150	200	1.80
22R 155	1.5mH	5.40	0.13	160	200	1.65
22R 225	2.2mH	11.00	0.11	150	200	1.35

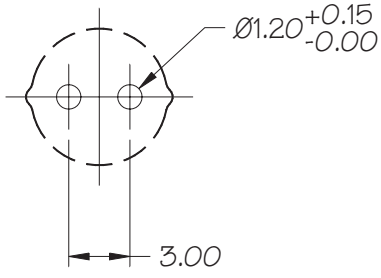
typical core characteristics

Inductance Temperature Coefficient	Resistance Temperature Coefficient	Curie Temperature T_C	Saturation Flux BSAT
350ppm	3900ppm	190°C	325mT

outline dimensions[1]



recommended footprint details



1 All dimensions in mm XX.X ±0.50, XX.XX ±0.25