

HIGH POWER INDUCTORS

SURFACE MOUNT, UP TO 20 AMPS

HI330 SERIES



FEATURES

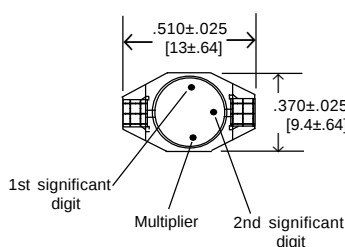
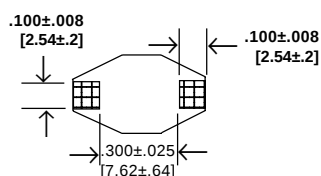
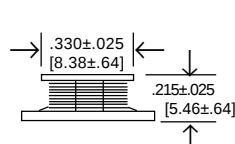
- ☐ True surface mount design
- ☐ Wide inductance range
- ☐ Cost effective high performance
- ☐ Exceptionally low DC resistance
- ☐ High power-to-size ratio
- ☐ Low profile and small footprint
- ☐ Shielded version available

OPTIONS

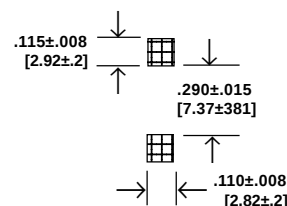
- ☐ Option ER - 100 hour stabilization burn-in
- ☐ Testing at high frequency
- ☐ Option 63 - polarity identification
- ☐ Non-standard - custom versions available

RCD's new HI330 Series represents the ultimate in low cost, miniature power inductors. Constructed from materials especially developed for hi-performance surface mount applications to ensure the highest reliability. Designed to meet a wide variety of applications including board mounted DC-DC converters, miniature power supplies, and voltage multiplying circuits, and a host of high power applications where space is at a premium.

DIMENSIONS



Mounting Pads



SPECIFICATIONS

RCD P/N	Inductance ($\mu\text{H} \pm 20\%$)	DCR ($\Omega \pm 15\%$)	Isat ² (A)	Isrms (B)
HI330-1R0-KT	1.0	.008	9.0	6.8
HI330-1R5-KT	1.5	.009	8.0	6.4
HI330-2R2-KT	2.2	.010	7.0	6.1
HI330-3R3-KT	3.3	.013	6.4	5.4
HI330-4R7-KT	4.7	.016	5.4	4.8
HI330-6R8-KT	6.8	.019	4.6	4.4
HI330-100-KT	10	.025	3.8	3.9
HI330-150-KT	15	.040	3.0	3.1
HI330-220-KT	22	.050	2.6	2.7
HI330-330-KT	33	.088	2.0	2.1
HI330-470-KT	47	.12	1.6	1.8
HI330-680-KT	68	.16	1.4	1.5
HI330-101-KT	100	.23	1.2	1.3
HI330-151-KT	150	.33	1.0	1.0
HI330-221-KT	220	.53	.8	.8
HI330-331-KT	330	.81	.6	.6
HI330-471-KT	470	1.1	.5	.5
HI330-681-KT	680	1.6	.4	.4
HI330-102-KT	1000	2.15	.3	.3

* NOTES: Tested at 100kHz, 0.1 Vrms.

TYPICAL PERFORMANCE CHARACTERISTICS

Temperature Rise	40°C Max
Rated Current	Based on temperature rise and Delta L/LOA = 10% Typ.
Storage Temp. Range	-40°C to +125°C
Operating Temp. Range	-25°C to +105°C
Resistance to Solder Heat	260°C, 10 Seconds
Resistance to Solvents	per MIL-STD-202

P/N DESIGNATION:

