

CTCDRH129F Series

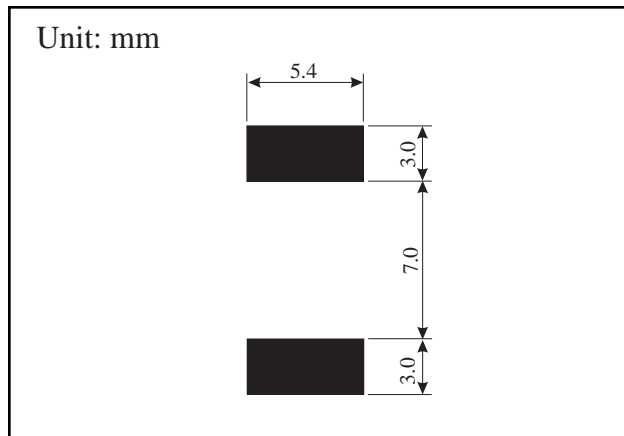
From 1.5µH to 1000µH



CHARACTERISTICS

- Description:** SMD (shielded) power inductor.
- Applications:** Notebook PC, LCD TV, DVD, Gaming machine, Set top box, DC/DC converter, etc.
- Operating Temperature:** -40°C to +85°C
- Inductance Tolerance:** ±20%, ±30%
- Testing:** Inductance is tested on an HP4284A at specified frequency (1R5 ~ 8R2 Test Freq.: 100kHz/0.1V; 100 ~ 102 Test Freq.: 1kHz/0.25V).
- Packaging:** Tape & Reel.
- Marking:** Parts are marked with inductance code.
- Miscellaneous:** **RoHS Compliant.**
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available.** See website for ordering information.

PAD LAYOUT



SPECIFICATIONS

Part numbers indicate the available inductance tolerance.

M = ±20%, N = ±30%

*I_{rms} DC current (A) that will cause an approximate ΔT of 40°C.

**I_{sat} DC current (A) that will cause L0 to drop approximately 20%.

Part Number	Inductance (µH)	L Test Freq. (kHz)	DCR Max. (Ω)	*I _{rms} Max. (A)	**I _{sat} Max. (A)
CTCDRH129F-1R5N	1.5	100	0.0047	14.0	16.0
CTCDRH129F-2R4N	2.4	100	0.0057	12.0	15.0
CTCDRH129F-3R3N	3.3	100	0.0086	11.0	14.0
CTCDRH129F-5R0N	5.0	100	0.0105	10.0	11.0
CTCDRH129F-6R8N	6.8	100	0.0132	9.00	10.0
CTCDRH129F-8R2N	8.2	100	0.0153	8.20	8.20
CTCDRH129F-100M	10	1.0	0.0180	7.50	7.50
CTCDRH129F-120M	12	1.0	0.0197	7.00	7.00
CTCDRH129F-150M	15	1.0	0.0242	6.00	6.00
CTCDRH129F-180M	18	1.0	0.0312	5.50	5.50
CTCDRH129F-220M	22	1.0	0.0390	5.00	5.00
CTCDRH129F-270M	27	1.0	0.0450	4.50	4.50
CTCDRH129F-330M	33	1.0	0.0500	4.00	4.00
CTCDRH129F-390M	39	1.0	0.0592	3.80	3.80
CTCDRH129F-470M	47	1.0	0.0689	3.50	3.50
CTCDRH129F-560M	56	1.0	0.0790	3.20	3.20
CTCDRH129F-680M	68	1.0	0.0878	3.00	3.00
CTCDRH129F-820M	82	1.0	0.1100	2.60	2.60
CTCDRH129F-101M	100	1.0	0.1400	2.20	2.20
CTCDRH129F-121M	120	1.0	0.1600	2.00	2.00
CTCDRH129F-151M	150	1.0	0.2000	1.80	1.80
CTCDRH129F-181M	180	1.0	0.2700	1.60	1.60
CTCDRH129F-221M	220	1.0	0.3000	1.50	1.50
CTCDRH129F-271M	270	1.0	0.4000	1.30	1.30
CTCDRH129F-331M	330	1.0	0.4500	1.20	1.20
CTCDRH129F-391M	390	1.0	0.5500	1.10	1.10
CTCDRH129F-471M	470	1.0	0.6000	1.00	1.00
CTCDRH129F-561M	560	1.0	0.7000	0.90	0.90
CTCDRH129F-681M	680	1.0	0.8400	0.82	0.82
CTCDRH129F-821M	820	1.0	1.0600	0.80	0.80
CTCDRH129F-102M	1000	1.0	1.2700	0.76	0.76

PHYSICAL DIMENSIONS

Size	A	B	C Max.	D	E
mm	12.2±0.3	12.2±0.3	10.0	5.0±0.2	7.6±0.2
inches	0.480±0.012	0.480±0.012	0.394	0.197±0.008	0.299±0.008

