

CTCDRH2D09F Series

From 1.2 μH to 10 μH



CHARACTERISTICS

- Description:** SMD (shielded) power inductor.
- Applications:** Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.
- Operating Temperature:** -40°C to +85°C
- Inductance Tolerance:** $\pm 30\%$
- Testing:** Inductance is tested on an HP4285A at 100KHz, 0.1V
- Packaging:** Tape & Reel.
- Marking:** Parts are marked with letter identifier.
- Miscellaneous:** **RoHS Compliant.**
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available. See website for ordering information.**

SPECIFICATIONS

Parts are available in $\pm 30\%$ inductance tolerance only.
Inductance drop = 35% typ. at Isat.
 $\Delta T = 40^\circ\text{C}$ rise at Irms.

Part Number	Marking	Inductance at 100KHz (μH)	Irms Max. (A)	Isat Max. (A)	DCR Max. (Ω)
CTCDRH2D09F-1R2N	A	1.20	1.24	0.80	0.0975
CTCDRH2D09F-1R5N	B	1.50	1.15	0.73	0.1100
CTCDRH2D09F-1R8N	C	1.80	1.06	0.65	0.1310
CTCDRH2D09F-2R2N	D	2.20	1.05	0.60	0.1440
CTCDRH2D09F-2R5N	E	2.50	0.98	0.53	0.1500
CTCDRH2D09F-3R0N	F	3.00	0.84	0.47	0.1940
CTCDRH2D09F-3R9N	G	3.90	0.72	0.45	0.2250
CTCDRH2D09F-4R7N	H	4.70	0.64	0.41	0.2880
CTCDRH2D09F-5R6N	I	5.60	0.59	0.37	0.3250
CTCDRH2D09F-6R8N	J	6.80	0.53	0.33	0.4250
CTCDRH2D09F-8R2N	K	8.20	0.46	0.30	0.4750
CTCDRH2D09F-100N	L	10.00	0.42	0.28	0.5380

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D Max.	E Ref.
mm	3.2	3.2	1.0	4.3	1.0
inches	0.13	0.13	0.04	0.17	0.04

PAD LAYOUT

