

CTCDRH124F Series

From 3.9 μH to 330 μH

ENGINEERING KIT #23



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 105°C (including self-temperature rise).
- Inductance Tolerance:** $\pm 20\%$, $\pm 30\%$
- Testing:** Inductance is tested on an HP4284A at 100KHz.
- 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.**

SPECIFICATIONS

Part numbers indicate tolerance available.
N = $\pm 30\%$, M = $\pm 20\%$

Part Number	Inductance (μH)	L Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
CTCDRH124F-3R9N	3.9	100	.015	6.5
CTCDRH124F-4R7N	4.7	100	.018	5.7
CTCDRH124F-6R8N	6.8	100	.023	4.9
CTCDRH124F-8R2N	8.2	100	.026	4.6
CTCDRH124F-100M	10	100	.028	4.5
CTCDRH124F-120M	12	100	.038	4.0
CTCDRH124F-150M	15	100	.050	3.2
CTCDRH124F-180M	18	100	.057	3.1
CTCDRH124F-220M	22	100	.066	2.9
CTCDRH124F-270M	27	100	.080	2.8
CTCDRH124F-330M	33	100	.097	2.7
CTCDRH124F-390M	39	100	.132	2.1
CTCDRH124F-470M	47	100	.150	1.9
CTCDRH124F-560M	56	100	.190	1.8
CTCDRH124F-680M	68	100	.220	1.5
CTCDRH124F-820M	82	100	.260	1.3
CTCDRH124F-101M	100	100	.308	1.2
CTCDRH124F-121M	120	100	.380	1.1
CTCDRH124F-151M	150	100	.530	1.0
CTCDRH124F-181M	180	100	.620	0.9
CTCDRH124F-221M	220	100	.700	0.8
CTCDRH124F-271M	270	100	.876	0.6
CTCDRH124F-331M	330	100	.990	0.5

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C	D
mm	12.5	4.5	7.6	5.0
inches	0.492	0.18	0.299	0.197

