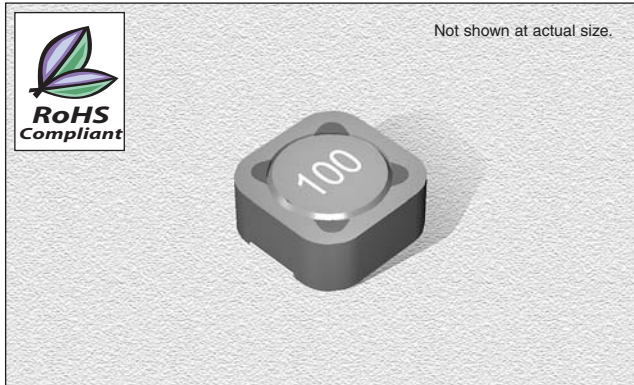


# CTCDRH125F Series

From 1.3  $\mu\text{H}$  to 1,000  $\mu\text{H}$

## ENGINEERING KIT #23F



### CHARACTERISTICS

- Description:** SMD (shielded) power inductor
- Applications:** Power supplies for VTR, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.
- Operating Temperature:** -40°C to +105°C
- Storage Temperature:** -40°C to +100°C
- Inductance Tolerance:**  $\pm 30\%$ ,  $\pm 20\%$
- Testing:** Inductance is tested on an HP4284A at 1.0 kHz
- 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

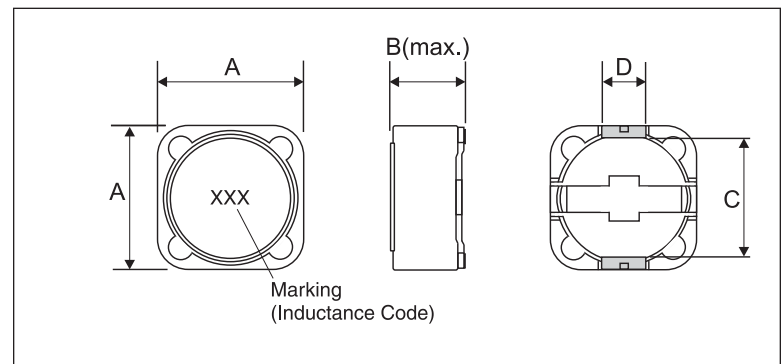
Part numbers indicate tolerance available.  
N =  $\pm 30\%$ , M =  $\pm 20\%$

\*IDC: The DC current at which the inductance decreases to 75% of its nominal value or when  $\Delta T = 40^\circ\text{C}$ , whichever is lower ( $T_a = 20^\circ\text{C}$ ).

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (kHz)	DCR Max. ( $\Omega$ )	*IDC Max. (A)
CTCDRH125F-1R3N	1.3	1.0	.012	8.0
CTCDRH125F-2R1N	2.1	1.0	.014	7.0
CTCDRH125F-3R1N	3.1	1.0	.017	6.0
CTCDRH125F-4R4N	4.4	1.0	.020	5.0
CTCDRH125F-5R8N	5.8	1.0	.021	4.4
CTCDRH125F-7R5N	7.5	1.0	.024	4.2
CTCDRH125F-7R6N	7.6	1.0	.026	4.5
CTCDRH125F-100M	10	1.0	.03	4.0
CTCDRH125F-120M	12	1.0	.03	3.5
CTCDRH125F-150M	15	1.0	.03	3.3
CTCDRH125F-180M	18	1.0	.03	3.0
CTCDRH125F-220M	22	1.0	.04	2.8
CTCDRH125F-270M	27	1.0	.05	2.3
CTCDRH125F-330M	33	1.0	.06	2.1
CTCDRH125F-390M	39	1.0	.07	2.0
CTCDRH125F-470M	47	1.0	.08	1.8
CTCDRH125F-560M	56	1.0	.11	1.7
CTCDRH125F-680M	68	1.0	.12	1.5
CTCDRH125F-820M	82	1.0	.14	1.4
CTCDRH125F-101M	100	1.0	.16	1.3
CTCDRH125F-121M	120	1.0	.17	1.1
CTCDRH125F-151M	150	1.0	.23	1.0
CTCDRH125F-181M	180	1.0	.29	0.9
CTCDRH125F-221M	220	1.0	.40	0.8
CTCDRH125F-271M	270	1.0	.46	0.8
CTCDRH125F-331M	330	1.0	.51	0.7
CTCDRH125F-391M	390	1.0	.69	0.7
CTCDRH125F-471M	470	1.0	.77	0.6
CTCDRH125F-561M	560	1.0	.86	0.5
CTCDRH125F-681M	680	1.0	1.2	0.5
CTCDRH125F-821M	820	1.0	1.3	0.4
CTCDRH125F-102M	1000	1.0	1.5	0.4

### PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C	D
mm	12.8	6	7.6 $\pm$ 0.2	5 $\pm$ 0.2
inches	0.504	0.24	0.30 $\pm$ 0.008	0.2 $\pm$ 0.007



05.24.16