

## CTCDRH127F Series

From 1.2  $\mu\text{H}$  to 1000  $\mu\text{H}$

### ENGINEERING KIT #32



### SPECIFICATIONS

Please specify tolerance code when ordering.

CTCDRH127F-560\_ ← J =  $\pm 5\%$ , K =  $\pm 10\%$ , L =  $\pm 15\%$ , M =  $\pm 20\%$ , N =  $+40\%$  -20%

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (KHz)	DGR Max. ( $\text{m}\Omega$ )	IDC Max. (A)
CTCDRH127F-1R2N	1.2	100	7.0	9.80
CTCDRH127F-2R4N	2.4	100	11.5	8.00
CTCDRH127F-3R5N	3.5	100	13.5	7.50
CTCDRH127F-4R7N	4.7	100	15.8	6.80
CTCDRH127F-6R1N	6.1	100	17.6	6.60
CTCDRH127F-7R6N	7.6	100	20.0	5.90
CTCDRH127F-100M	10	1.0	21.6	5.40
CTCDRH127F-120M	12	1.0	24.3	4.90
CTCDRH127F-150M	15	1.0	27.0	4.50
CTCDRH127F-180M	18	1.0	39.2	3.90
CTCDRH127F-220M	22	1.0	43.2	3.60
CTCDRH127F-270M	27	1.0	45.9	3.40
CTCDRH127F-330M	33	1.0	64.8	3.00
CTCDRH127F-390M	39	1.0	72.9	2.75
CTCDRH127F-470M	47	1.0	100	2.50
CTCDRH127F-560_	56	1.0	110	2.35
CTCDRH127F-680_	68	1.0	140	2.10
CTCDRH127F-820_	82	1.0	160	1.95
CTCDRH127F-101_	100	1.0	220	1.70
CTCDRH127F-121_	120	1.0	250	1.60
CTCDRH127F-151_	150	1.0	280	1.42
CTCDRH127F-181_	180	1.0	350	1.30
CTCDRH127F-221_	220	1.0	390	1.16
CTCDRH127F-271_	270	1.0	560	1.06
CTCDRH127F-331_	330	1.0	640	0.95
CTCDRH127F-391_	390	1.0	700	0.88
CTCDRH127F-471_	470	1.0	980	0.79
CTCDRH127F-561_	560	1.0	1070	0.73
CTCDRH127F-681_	680	1.0	1460	0.67
CTCDRH127F-821_	820	1.0	1640	0.60
CTCDRH127F-102_	1000	1.0	1820	0.55

### 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:**  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

**Inductance Tolerance:**  $\pm 5\%$ ,  $\pm 10\%$ ,  $\pm 15\%$ ,  $\pm 20\%$ ,  $+40\%$  -20%

**Testing:** Inductance is tested on an HP4284A at specified frequency.

**Packaging:** Tape & Reel.

**Marking:** Parts are marked with inductance code.

**Miscellaneous:** RoHS Compliant. Magnetically shielded

**Additional Information:** Additional electrical & physical information available upon request.

**Samples available. See website for ordering information.**

### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	12.5	8.0	7.6 $\pm$ 0.2	5.0 $\pm$ 0.2
inches	0.492	0.314	0.3 $\pm$ 0.007	0.2 $\pm$ 0.007

