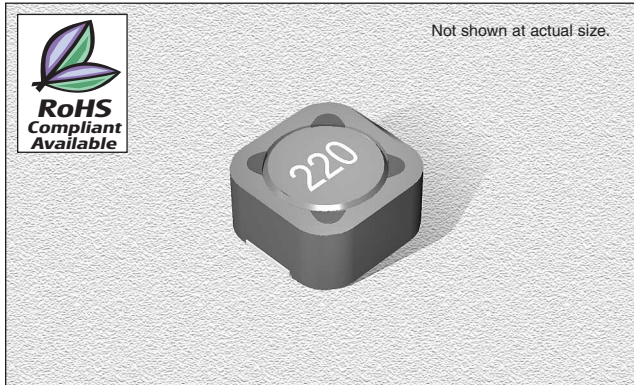


# CTCDRH127 Series

From 1.2  $\mu\text{H}$  to 1,000  $\mu\text{H}$

## ENGINEERING KIT #32F



### 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 +125°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 available. Magnetically shielded

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

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

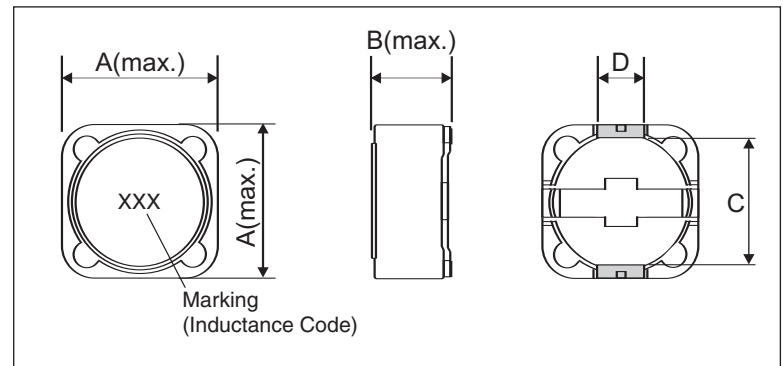
### SPECIFICATIONS

Please specify tolerance code when ordering.  
 CTCDRH127-560 ← J =  $\pm 5\%$ , K =  $\pm 10\%$  L =  $\pm 15\%$  M =  $\pm 20\%$ , N =  $+40\%$  -20%  
 CTCDRH127E Please specify "F" for RoHS compliant

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (kHz)	DCR Max. (m $\Omega$ )	IDC Max. (A)
CTCDRH127_-1R2N	1.2	100	7.0	9.80
CTCDRH127_-2R4N	2.4	100	11.5	8.00
CTCDRH127_-3R5N	3.5	100	13.5	7.50
CTCDRH127_-4R7N	4.7	100	15.8	6.80
CTCDRH127_-6R1N	6.1	100	17.6	6.60
CTCDRH127_-7R6N	7.6	100	20.0	5.90
CTCDRH127_-100M	10	1.0	21.6	5.40
CTCDRH127_-120M	12	1.0	24.3	4.90
CTCDRH127_-150M	15	1.0	27.0	4.50
CTCDRH127_-180M	18	1.0	39.2	3.90
CTCDRH127_-220M	22	1.0	43.2	3.60
CTCDRH127_-270M	27	1.0	45.9	3.40
CTCDRH127_-330M	33	1.0	64.8	3.00
CTCDRH127_-390M	39	1.0	72.9	2.75
CTCDRH127_-470M	47	1.0	100	2.50
CTCDRH127_-560_	56	1.0	110	2.35
CTCDRH127_-680_	68	1.0	140	2.10
CTCDRH127_-820_	82	1.0	160	1.95
CTCDRH127_-101_	100	1.0	220	1.70
CTCDRH127_-121_	120	1.0	250	1.60
CTCDRH127_-151_	150	1.0	280	1.42
CTCDRH127_-181_	180	1.0	350	1.30
CTCDRH127_-221_	220	1.0	390	1.16
CTCDRH127_-271_	270	1.0	560	1.06
CTCDRH127_-331_	330	1.0	640	0.95
CTCDRH127_-391_	390	1.0	700	0.88
CTCDRH127_-471_	470	1.0	980	0.79
CTCDRH127_-561_	560	1.0	1070	0.73
CTCDRH127_-681_	680	1.0	1460	0.67
CTCDRH127_-821_	820	1.0	1640	0.60
CTCDRH127_-102_	1000	1.0	1820	0.55

### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	12.5	8	7.6 $\pm$ 0.2	5 $\pm$ 0.2
inches	0.492	0.314	0.3 $\pm$ 0.007	0.2 $\pm$ 0.007



05.18.06