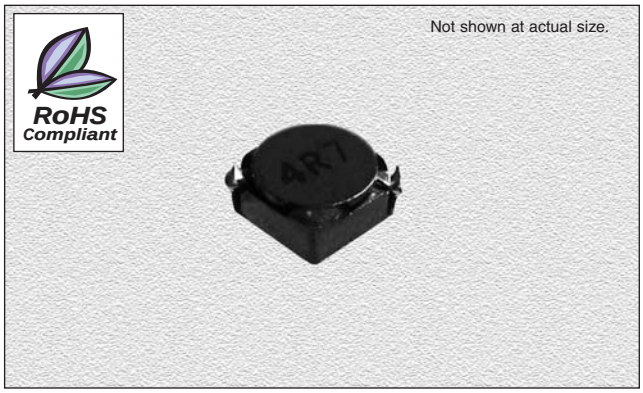
CTCDRH3D16/HPF Series

From 1.7 µH to 33 µH



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 +85°C
Isat: Inductance drops no more than 35% of initial value at Isat.
Rated Current: Temperature rises ΔT<30°C at rated current.
Resistance to Solder Heat: 260°C, 10 seconds, 2 cycles.
MSL: 2
Inductance Tolerance: ±20%, ±30%
Testing: Tested on a HP4285A at 100 KHz , 0.25Vrms , 0Adc
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.

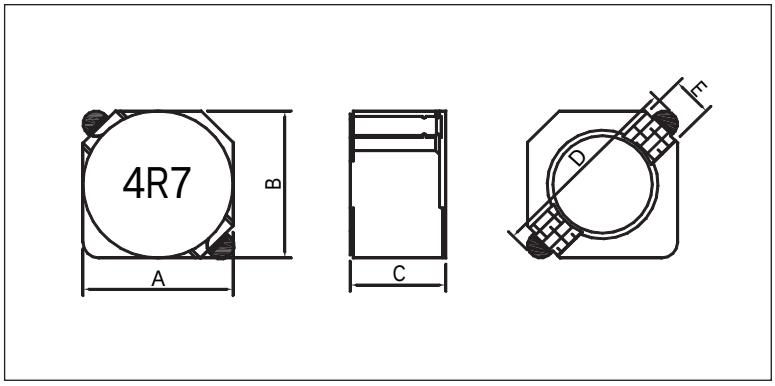
SPECIFICATIONS

Part numbers indicate available inductance tolerance: M = ±20%, N = ±30%

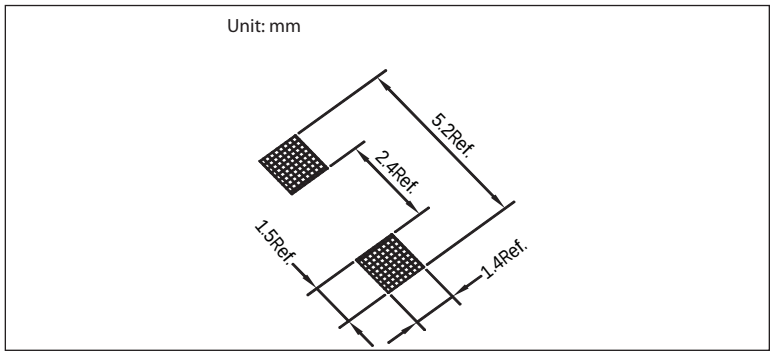
Part Number	Inductance (µH)	Test Freq. (KHz)	DCR Max. (Ω)	Isat (A)	Temp. Rise Current (A)
CTCDRH3D16/HPF-1R7N	1.7	100	0.051	2.00	2.40
CTCDRH3D16/HPF-2R2N	2.2	100	0.059	1.75	2.30
CTCDRH3D16/HPF-3R3N	3.3	100	0.085	1.40	1.80
CTCDRH3D16/HPF-4R7N	4.7	100	0.116	1.20	1.50
CTCDRH3D16/HPF-6R8N	6.8	100	0.180	1.00	1.10
CTCDRH3D16/HPF-100M	10	100	0.230	0.84	1.00
CTCDRH3D16/HPF-150M	15	100	0.410	0.65	0.75
CTCDRH3D16/HPF-220M	22	100	0.610	0.55	0.52
CTCDRH3D16/HPF-330M	33	100	0.870	0.46	0.41

PHYSICAL DIMENSIONS

Size	A	B	C	D Max.	E
mm	3.8±0.2	3.8±0.2	1.65±0.15	5.2	1.1±0.2
inches	0.15±0.008	0.15±0.008	0.065±0.006	0.20	0.043±0.008



PAD LAYOUT



Manufacturer of Passive Components
800-684-5322 Inside US **949-453-1811** Outside US