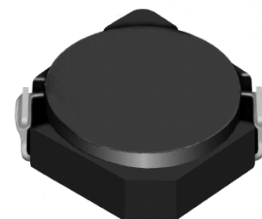


Type: CDRH40D16

Under Development

◆ Product Description

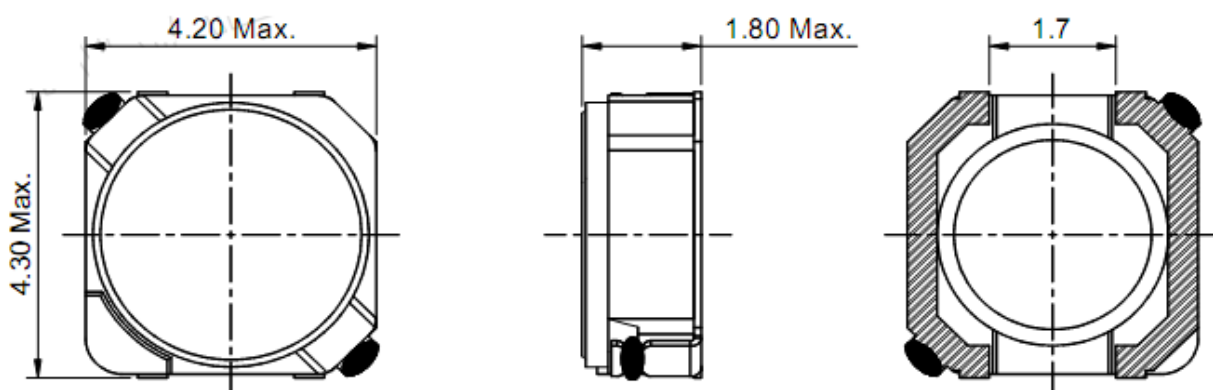
- 4.3×4.2mm Max.(L×W),1.8mm Max.Height.
- Inductance range: 1.0~68 μ H.
- Rated current range: 0.31~2.28A.



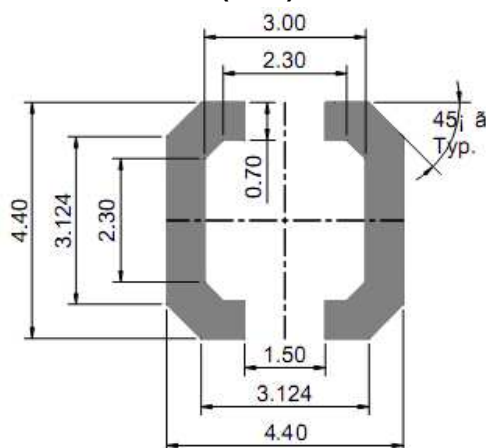
◆ Feature

- Magnetically shielded construction.
- Storage temperature range: -40°C ~ +105°C.
- Operating temperature range: -40°C ~ +105°C (Including coil's self temperature rise).
- Ideally used in Mobilephone,PDA,MP3,DSC/DVC,etc as DC-DC converter inductors.
- Product weight: 0.095g (Ref.).
- RoHS compliance.
- Halogen Free available.

◆ Dimensions (mm)



◆ Land Pattern (mm)



Type: CDRH40D16
◆ Specification

Part No.	Stamp	Inductance (μ H) 100kHz/0.1V	D.C.R.(Ω) [Max.] (at 20°C)	Saturation Current (A) ※1	Temperature Rise Current (A) ※2	SRF [Typ.] MHz
CDRH40D16NP-1R0NC	A	1.0±30%	0.045	3.86	2.28	164
CDRH40D16NP-2R2MC	B	2.2±20%	0.074	2.92	1.87	126
CDRH40D16NP-3R3MC	C	3.3±20%	0.102	2.35	1.50	100
CDRH40D16NP-4R7MC	D	4.7±20%	0.133	1.86	1.37	65
CDRH40D16NP-6R8MC	E	6.8±20%	0.173	1.48	1.07	48
CDRH40D16NP-100MC	F	10±20%	0.245	1.26	0.98	43
CDRH40D16NP-150MC	G	15±20%	0.409	1.04	0.72	32
CDRH40D16NP-180MC	J	18±20%	0.458	0.94	0.68	30
CDRH40D16NP-220MC	K	22±20%	0.526	0.86	0.64	25
CDRH40D16NP-330MC	L	33±20%	0.793	0.69	0.51	22
CDRH40D16NP-470MC	M	47±20%	1.19	0.62	0.41	17
CDRH40D16NP-680MC	N	68±20%	1.74	0.52	0.31	14

※1. Saturation current: The DC current at which the inductance decreases to 70% of it's nominal value.

※2. Temperature rise current: The DC current at which the temperature rise is $\Delta t=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)