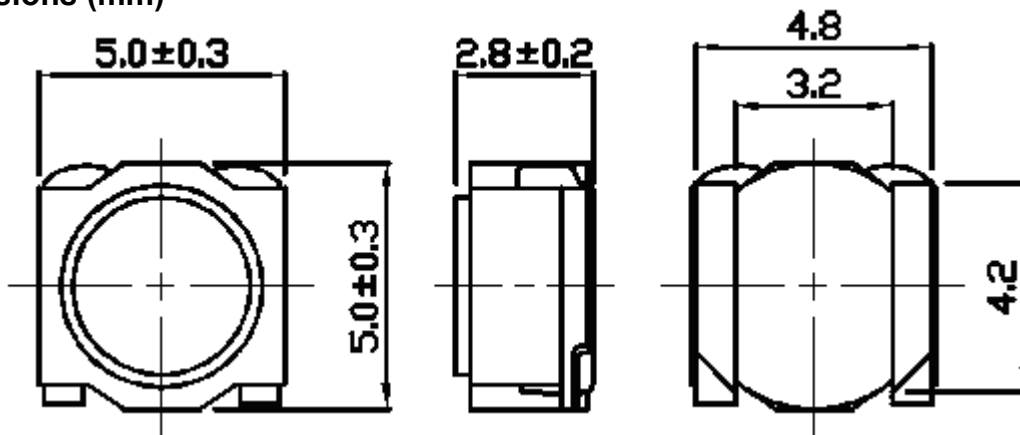
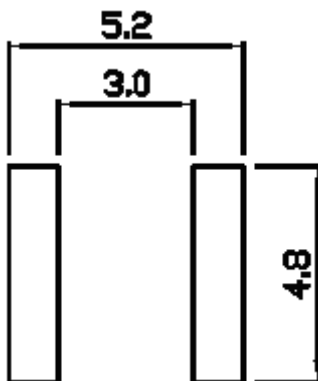


Type: CDRH50D28R
◆ Product Description

- 5.3×5.3mm Max.(L×W), 3.0mm Max. Height.
- Inductance range: 1.2~47 μ H.
- Rated current range: 0.78~4.8A.
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.


◆ 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 Mobile phone, PDA, MP3, HDD, DSC/DVC, Note book PC, etc as DC-DC converter inductors.
- Product weight: 0.25g (Ref.).
- RoHS compliance.

◆ Dimensions (mm)

◆ Land Pattern (mm)


Type: CDRH50D28R
◆ Specification

Part Name	Stamp	Inductance ※1	D.C.R. (mΩ) (at 20°C)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
				at 20°C	at 105°C	
CDRH50D28RNP-1R2N□	A	1.2±30%	13±25%	4.80	4.10	5.40
CDRH50D28RNP-1R6N□	B	1.6±30%	15±25%	4.20	3.60	4.70
CDRH50D28RNP-2R2N□	C	2.2±30%	17±25%	3.65	3.05	4.30
CDRH50D28RNP-3R0M□	D	3.0±20%	25±25%	3.10	2.55	3.50
CDRH50D28RNP-4R7M□	E	4.7±20%	40±25%	2.50	2.15	2.70
CDRH50D28RNP-6R8M□	F	6.8±20%	61±25%	2.10	1.75	2.20
CDRH50D28RNP-100M□	G	10±20%	87±25%	1.70	1.40	1.75
CDRH50D28RNP-150M□	H	15±20%	140±20%	1.40	1.10	1.30
CDRH50D28RNP-220M□	J	22±20%	175±20%	1.15	0.98	1.16
CDRH50D28RNP-330M□	K	33±20%	248±20%	0.94	0.78	0.98
CDRH50D28RNP-470M□	L	47±20%	370±20%	0.78	0.65	0.78

※ Description of part name

CDRH50D28RNP-1R2N□

- B Box
- C Carrier Tape

※1. Measured at frequency of 100kHz.

※2. Saturation current: The DC current at which the inductance decreases to 70% of its nominal value.

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