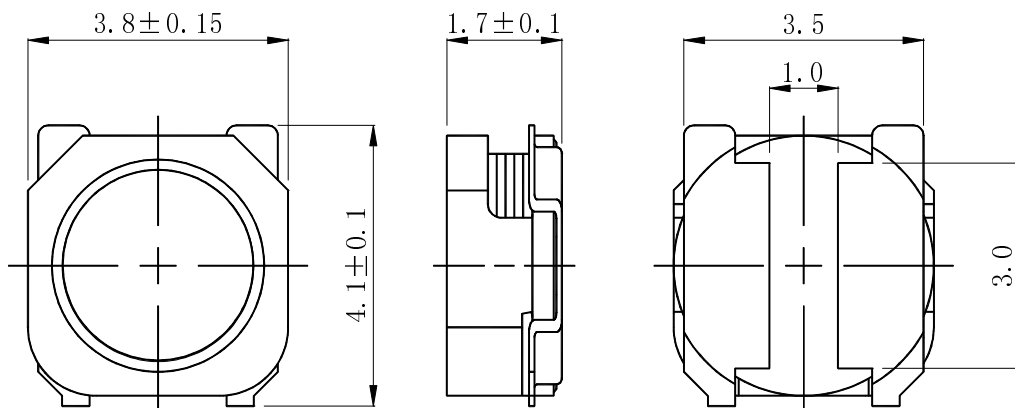
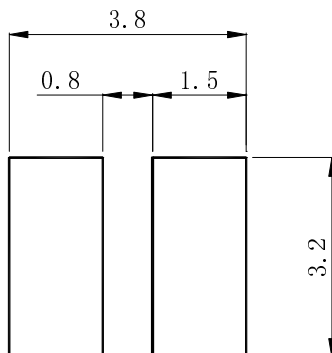
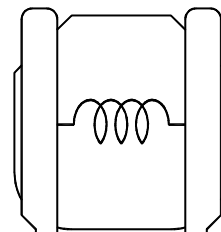


**Type: CDRH38D16R/LD**
**◆ Product Description**

- 4.2×3.95mm Max.(L×W), 1.8mm Max. Height.
- Inductance range: 0.90~100  $\mu$  H.
- Rated current range: 0.15~1.54A.
- Custom design is available.


**◆ Feature**

- Magnetically shielded construction.
- Storage temperature range: -40°C~+105°C.
- Operating temperature range: -40°C~+105°C (including coil's self-heat).
- Ideally used in Mobilephone,PDA,MP3,DSC/DVC,HDD,etc as DC-DC converter inductors.
- Product weight: 0.085g (Ref.).
- RoHS compliance.

**◆ Dimensions (mm)**

**◆ Land Pattern (mm)**

**◆ Schematics (Bottom)**


**Type: CDRH38D16R/LD**
**◆ Specification**

Part No. ※	Stamp	Inductance ( $\mu$ H) at 100KHz	D.C.R. (m $\Omega$ ) (at 20°C)	Saturation current (A) ※1		Temperature Rise Current (A) ※2
				at 20°C	at 100°C	
CDRH38D16RLDNP-R90N□	A	0.90±30%	18±25%	1.54	1.31	3.80
CDRH38D16RLDNP-1R6N□	B	1.6±30%	25±25%	1.14	0.99	3.15
CDRH38D16RLDNP-2R2N□	C	2.2±30%	30±25%	1.01	0.88	3.00
CDRH38D16RLDNP-3R3M□	D	3.3±20%	37±25%	0.81	0.70	2.60
CDRH38D16RLDNP-4R7M□	E	4.7±20%	55±25%	0.69	0.59	2.00
CDRH38D16RLDNP-6R8M□	F	6.8±20%	75±25%	0.56	0.49	1.75
CDRH38D16RLDNP-100M□	G	10±20%	104±20%	0.47	0.40	1.45
CDRH38D16RLDNP-150M□	H	15±20%	163±20%	0.36	0.32	1.13
CDRH38D16RLDNP-220M□	J	22±20%	248±20%	0.32	0.28	0.90
CDRH38D16RLDNP-330M□	K	33±20%	351±20%	0.26	0.23	0.75
CDRH38D16RLDNP-470M□	L	47±20%	490±20%	0.22	0.19	0.65
CDRH38D16RLDNP-680M□	M	68±20%	867±20%	0.18	0.15	0.45
CDRH38D16RLDNP-101M□	N	100±20%	1335±20%	0.15	0.12	0.35

**※ Description of part name**

CDRH38D16RLDNP-1R6N□

— B: Box  
 — C: Carrier Tape

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

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