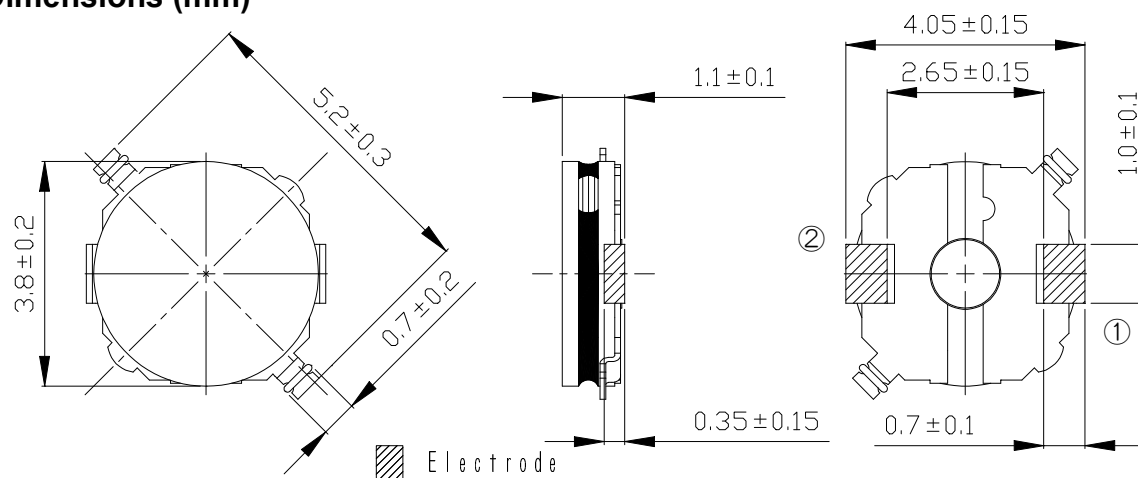
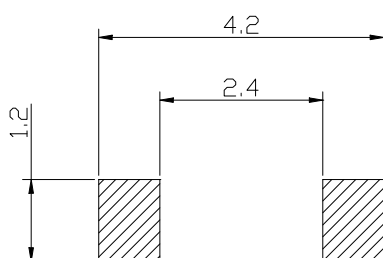
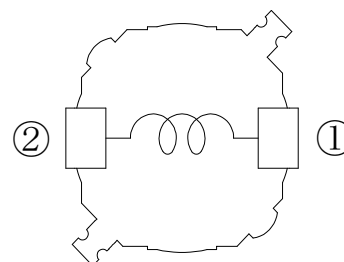


**Type: CDH38D11B**
**◆ Product Description**

- 4.2×4.0mm Max.(L×W), 1.2mm Max. Height.
- Inductance range: 1.5~10  $\mu$  H.
- Rated current range: 0.49~1.27A.
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.


**◆ Feature**

- Magnetically unshielded 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, HDD, etc as DC-DC converter inductors.
- Product weight: 0.06g (Ref.).
- RoHS compliance.

**◆ Dimensions (mm)**

**◆ Land Pattern (mm)**

**◆ Schematics (Bottom)**


**Type: CDH38D11B**
**◆ Specification**

Part Name ※	Stamp	Inductance ( $\mu$ H) 100kHz/1V	D.C.R.(m $\Omega$ ) Max.(Typ.) (at 20°C)	Saturation Current (A) ※1		Temperature Rise Current (A) ※2
				at 20°C	at 100°C	
CDH38D11BNP-1R5M□	A	1.5 $\pm$ 20%	79(63)	1.27	0.84	2.05
CDH38D11BNP-2R5M□	B	2.5 $\pm$ 20%	116(93)	0.98	0.72	1.55
CDH38D11BNP-3R3M□	C	3.3 $\pm$ 20%	141(113)	0.85	0.64	1.30
CDH38D11BNP-4R7M□	D	4.7 $\pm$ 20%	200(160)	0.72	0.51	1.07
CDH38D11BNP-6R8M□	E	6.8 $\pm$ 20%	240(192)	0.61	0.41	1.00
CDH38D11BNP-8R2M□	F	8.2 $\pm$ 20%	331(264)	0.51	0.36	0.91
CDH38D11BNP-100M□	G	10 $\pm$ 20%	357(286)	0.49	0.35	0.82

**※ Description of part name**

CDH38D11BNP-1R5M□

- B Box
- C Carrier Tape

※1. Saturation current: The DC current at which the inductance decreases to 90% of it's nominal value.

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