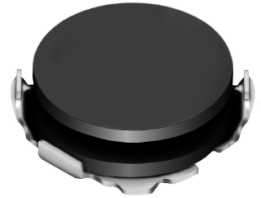
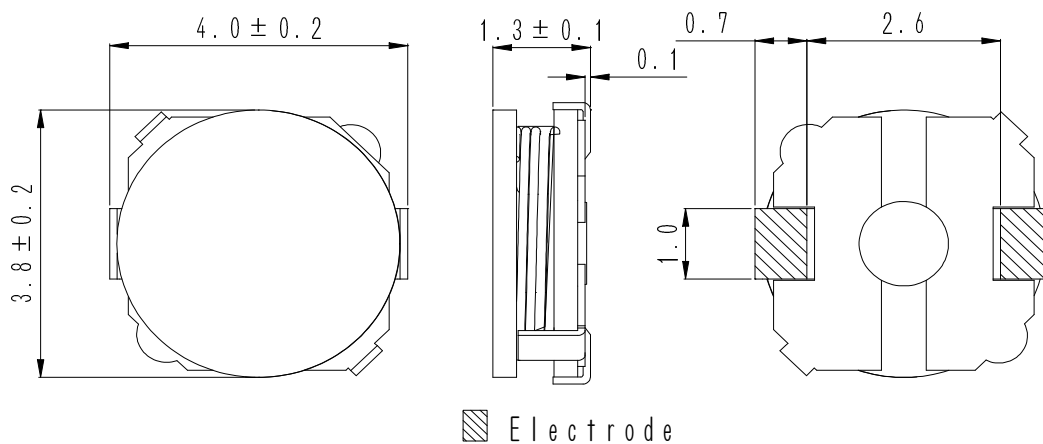
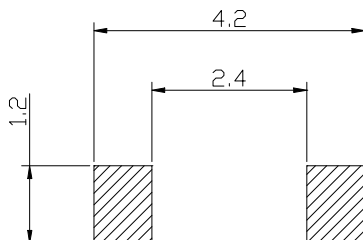


**Type: CDH3D13/SHP**
**◆ Product Description**

- 4.2×4.0mm Max.(L×W),1.4mm Max. Height.
- Inductance range: 1.2~22  $\mu$  H.
- Rated current range: 0.60~2.40A.
- 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,Portable DVD,etc as DC-DC converter inductors.
- RoHS Compliance and Halogen Free.

**◆ Dimensions (mm)**

**◆ Land Pattern (mm)**


**Type: CDH3D13/SHP**
**◆ 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	
CDH3D13SHPNP-1R2M□	1R2	1.2 $\pm$ 20%	88(70)	2.60	2.20	2.40
CDH3D13SHPNP-1R5M□	1R5	1.5 $\pm$ 20%	100(80)	2.30	1.95	2.20
CDH3D13SHPNP-2R5M□	2R5	2.5 $\pm$ 20%	125(100)	1.80	1.55	1.80
CDH3D13SHPNP-3R6M□	3R6	3.6 $\pm$ 20%	156(125)	1.55	1.35	1.60
CDH3D13SHPNP-4R7M□	4R7	4.7 $\pm$ 20%	181(145)	1.30	1.20	1.50
CDH3D13SHPNP-6R8M□	6R8	6.8 $\pm$ 20%	275(220)	1.10	0.95	1.30
CDH3D13SHPNP-100M□	100	10.0 $\pm$ 20%	375(300)	0.90	0.80	0.95
CDH3D13SHPNP-120M□	120	12.0 $\pm$ 20%	469(375)	0.85	0.75	0.90
CDH3D13SHPNP-150M□	150	15.0 $\pm$ 20%	569(455)	0.75	0.67	0.85
CDH3D13SHPNP-220M□	220	22.0 $\pm$ 20%	856(685)	0.60	0.58	0.72

**※ Description of part name**

CDH3D13SHPNP-1R2M□

- 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  $\Delta t=40^{\circ}\text{C}$ .( $T_a=20^{\circ}\text{C}$ )