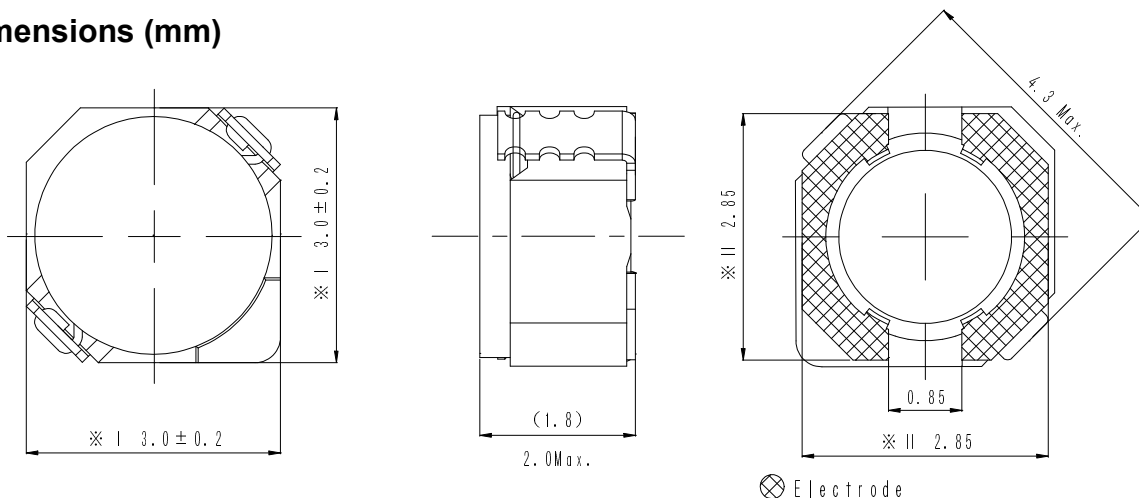
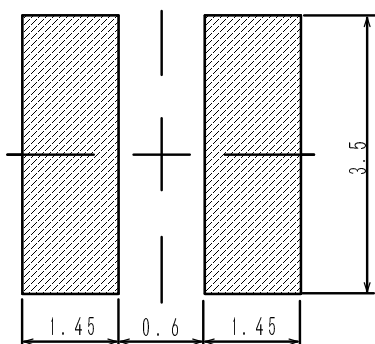
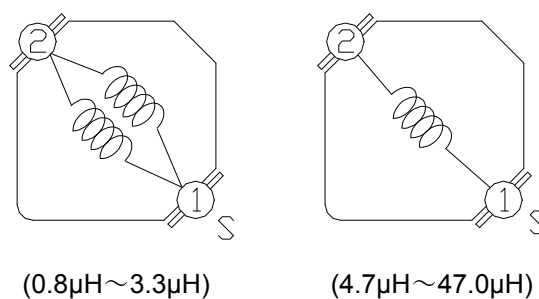


Type: CDRH30D18/S
◆ Product Description

- 3.2×3.2mm Max.(L×W),2.0mm Max. Height.
- Inductance range: 0.8~47 μH.
- Rated current range: 0.34~2.65A.
- In addition to the standard versions of inductors shown here, custom inductors are 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 Mobilephone, PDA, MP3, DSC/DVC, Portable DVD, etc as DC-DC converter inductors.
- Strong resistance against drop shock.
- RoHS compliance and Halogen Free.

◆ Dimensions (mm)

◆ Land Pattern (mm)

◆ Schematics (Bottom)


Type: CDRH30D18/S
◆ Specification

Part Name ※	Stamp	Inductance (μ H) 100kHz/1V	D.C.R.(m Ω) Max.(Typ.) (at 20°C)	Saturation Current (A) ※1		Temperature Rise Current (A) ※2
				at 20°C	at 105°C	
CDRH30D18SNP-0R8N□	A	0.8 \pm 25%	35.8(28.6)	2.80	2.20	2.65
CDRH30D18SNP-1R2N□	B	1.2 \pm 25%	42.4(33.9)	2.30	1.80	2.30
CDRH30D18SNP-1R5N□	C	1.5 \pm 25%	46.9(37.5)	2.10	1.60	2.20
CDRH30D18SNP-1R8N□	D	1.8 \pm 25%	60.0(48.0)	1.90	1.45	1.85
CDRH30D18SNP-2R2N□	E	2.2 \pm 25%	69.0(55.2)	1.80	1.40	1.70
CDRH30D18SNP-2R7N□	F	2.7 \pm 25%	85.3(68.2)	1.50	1.20	1.50
CDRH30D18SNP-3R3N□	G	3.3 \pm 25%	94.8(75.8)	1.45	1.10	1.40
CDRH30D18SNP-4R7N□	H	4.7 \pm 25%	149(119)	1.15	0.90	1.15
CDRH30D18SNP-5R6N□	I	5.6 \pm 25%	164(131)	1.05	0.80	1.10
CDRH30D18SNP-6R8N□	J	6.8 \pm 25%	196(157)	0.95	0.72	1.00
CDRH30D18SNP-8R2N□	K	8.2 \pm 25%	229(183)	0.90	0.70	0.85
CDRH30D18SNP-100N□	L	10.0 \pm 25%	276(221)	0.82	0.62	0.76
CDRH30D18SNP-150N□	M	15.0 \pm 25%	376(301)	0.65	0.50	0.68
CDRH30D18SNP-220N□	N	22.0 \pm 25%	610(488)	0.55	0.42	0.48
CDRH30D18SNP-330N□	O	33.0 \pm 25%	890(712)	0.45	0.35	0.42
CDRH30D18SNP-470N□	P	47.0 \pm 25%	1310(1050)	0.38	0.29	0.34

※ Description of part name

CDRH30D18SNP-0R8N□

- B Box
- C Carrier Tape

※1. Saturation current: The DC current at which the inductance decreases to 65% of it's nominal value.

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