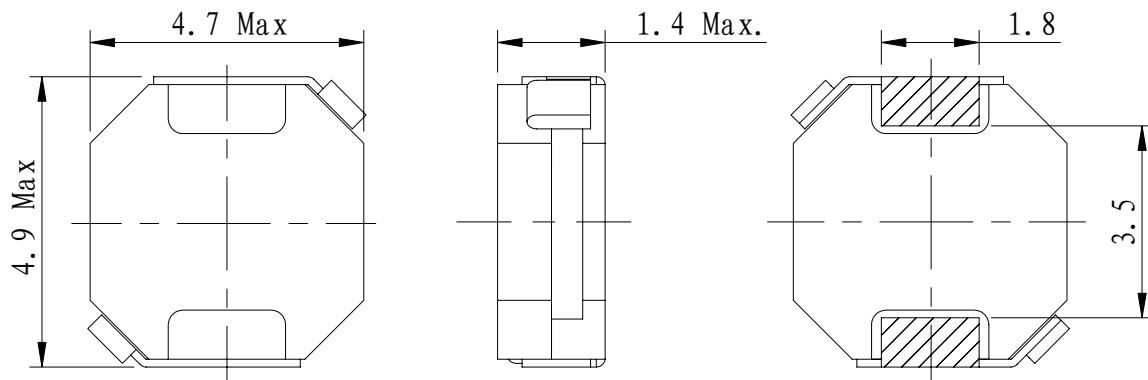


Type: CDPH45D13F
UNDER DEVELOPMENT
◆ Product Description

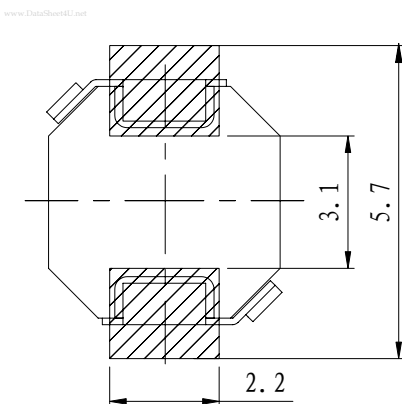
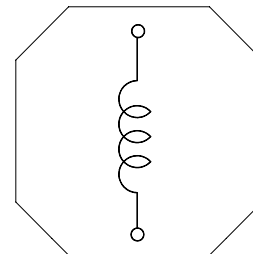
- 4.9×4.7mm Max.(L×W),1.4mm Max. Height.
- Inductance range: 1.0~33 μ H.
- Rated current range:0.55~2.50A.
- Custom design is available.

◆ Feature

- Magnetically shielded construction.
- Ideally used as DC-DC Converter inductors in Mobile phone, PDA, HDD etc.
- RoHS Compliance.

◆ Dimensions (mm)


* Dimensions without tolerance are approx.

◆ Land Pattern (mm)

◆ Connection (Bottom View)


Type: CDPH45D13F
◆ Specification

Part Name ※	Stamp	Inductance (μ H) 100kHz/1V	D.C.R.(m Ω) Max. (Typ.) (20°C)	Saturation Current (A) (Typ.) ※1	Temperature rise current (A) (Typ.) ※2
CDPH45D13FNP-1R0NC	A	1.0 \pm 30%	51(41)	4.00(5.00)	2.50(2.80)
CDPH45D13FNP-1R2NC	B	1.2 \pm 30%	61(49)	3.40(4.25)	2.29(2.60)
CDPH45D13FNP-1R8NC	C	1.8 \pm 30%	71(57)	3.12(3.90)	1.96(2.24)
CDPH45D13FNP-2R4MC	D	2.4 \pm 20%	85(68)	2.54(3.18)	1.92(2.20)
CDPH45D13FNP-3R3MC	E	3.3 \pm 20%	96(77)	2.32(2.90)	1.86(2.10)
CDPH45D13FNP-3R9MC	F	3.9 \pm 20%	107(86)	2.08(2.60)	1.70(1.92)
CDPH45D13FNP-4R7MC	G	4.7 \pm 20%	120(96)	2.04(2.55)	1.62(1.84)
CDPH45D13FNP-5R6MC	J	5.6 \pm 20%	133(106)	1.66(2.08)	1.60(1.82)
CDPH45D13FNP-6R8MC	K	6.8 \pm 20%	175(140)	1.63(2.04)	1.32(1.50)
CDPH45D13FNP-100MC	L	10.0 \pm 20%	277(222)	1.30(1.62)	1.04(1.19)
CDPH45D13FNP-120MC	M	12.0 \pm 20%	298(238)	1.26(1.57)	0.98(1.12)
CDPH45D13FNP-150MC	P	15.0 \pm 20%	405(324)	1.15(1.44)	0.85(0.97)
CDPH45D13FNP-180MC	Q	18.0 \pm 20%	428(342)	1.00(1.25)	0.78(0.89)
CDPH45D13FNP-220MC	R	22.0 \pm 20%	678(542)	0.85(1.07)	0.66(0.75)
CDPH45D13FNP-330MC	T	33.0 \pm 20%	920(736)	0.74(0.92)	0.55(0.63)

※ Description of part name

CDPH45D13FNP-1R2N□

- B Box
- C Carrier Tape

※1.Saturation current: The DC current at which the inductance decreases to 70% of its nominal value .
(Ta=20°C)

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

※ This spec is not the final revision, and some parts may be changed before production.