

Type: CDPH20D13

UNDER DEVELOPMENT

Product Description

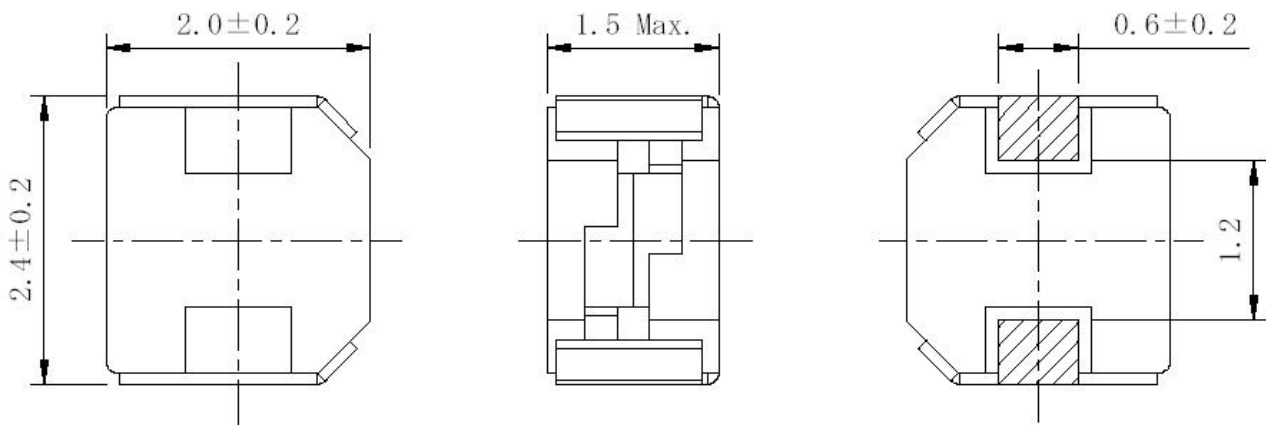
- $2.6 \times 2.2\text{mm}$ Max.(L \times W), 1.5mm Max. Height.
- Inductance Range: 1.0~ 4.7 μH .
- Rated current range: 0.54~ 1.44A.
- Custom design is available.



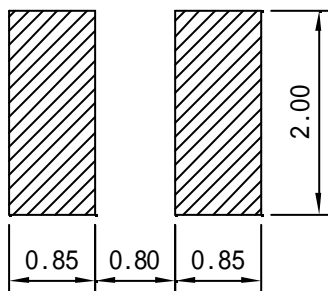
Feature

- Magnetically shielded construction.
- Ideally used in Handheld device.
- Very small layout size.
- RoHS Compliance.

Dimensions (mm)



Land Pattern (mm)



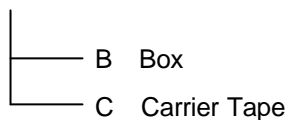
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Specification

Part Name	Stamp	Inductance (μ H) 100kHz/1V	D.C.R.(m Ω) Max.(Typ.) (20 $^{\circ}$ C)	Saturation Current Max.(Typ.) (A) 1	Temperature rise current Max.(Typ.) (A) 2
CDPH20D13NP-1R0N	A	1.0 \pm 30%	0.12(0.09)	1.56(1.95)	1.44(1.62)
CDPH20D13NP-1R5N	B	1.5 \pm 30%	0.13(0.10)	1.23(1.54)	1.08(1.22)
CDPH20D13NP-2R2N	C	2.2 \pm 30%	0.23(0.18)	1.06(1.33)	0.88(1.00)
CDPH20D13NP-2R7N	D	2.7 \pm 30%	0.24(0.19)	0.92(1.15)	0.87 (0.98)
CDPH20D13NP-3R9N	E	3.9 \pm 30%	0.40(0.32)	0.84(1.06)	0.60(0.68)
CDPH20D13NP-4R7N	F	4.7 \pm 30%	0.44(0.35)	0.70(0.87)	0.54(0.62)

Description of part name

CDPH20D13NP-1R0N



- 1.Saturation Current: The DC current at which the inductance decreases to 70% of it's initial value .
(Ta = 20 $^{\circ}$ C)
- 2.Temperature rise current: The DC current at which the temperature rise is $t = 40^{\circ}$ C .(Ta = 20 $^{\circ}$ C)

NOTE: THIS SPEC IS NOT THE FINAL ISSUE. AND MAYBE SOME PARTS WILL BE CHANGED BEFORE PRODUCTION.