

Type: CDEPI106

Product Description

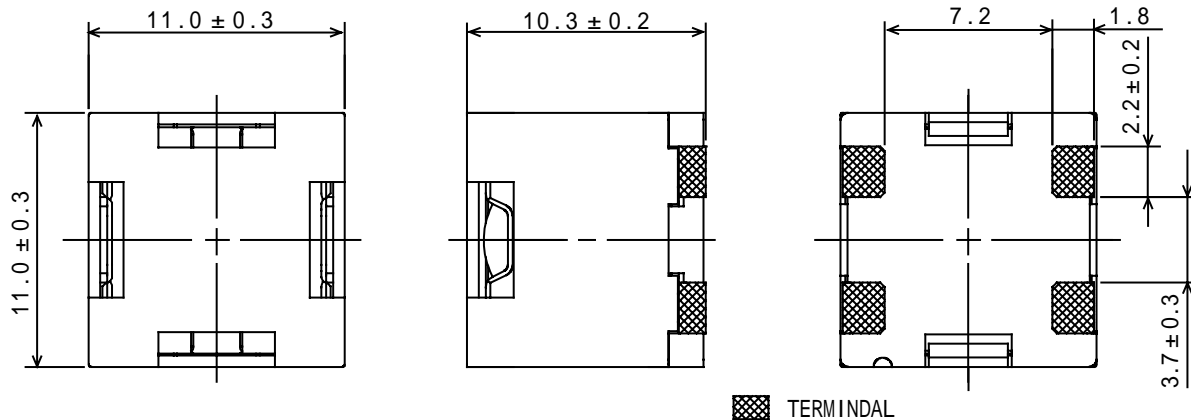
- 11.3 × 11.3mm Max.(L × W), 10.5mm Max. Height.
- Inductance range: 10 ~ 22 μ H
- Rated current range: 2.2 ~ 4.0A
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.



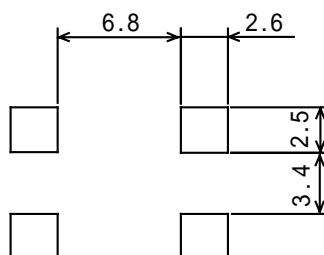
Feature

- Mn-Zn core used , High DC saturation current. High efficiency, Low heat generation.
- L.P.F coils for Digital Amplifier in car audio, home theater and large LCD, etc.
- RoHS Compliance

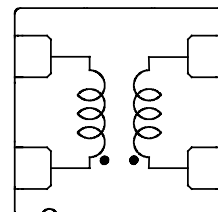
Dimensions (mm)



Land Pattern (mm)



Schematics (Bottom)



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Specification

Part Name	Stamp	Inductance [Within](μ H) 100kHz/1V		D.C.R.(m Ω) Max.(Typ.) (at 20 $^{\circ}$ C)		Saturation Current (A) 1		Temperature rise current (A) 2
		Between (1-2)	Between (4-3)	Between (1-2)	Between (4-3)	(at20 $^{\circ}$ C)	(at 105 $^{\circ}$ C)	
CDEPI106NP - 10 \emptyset	100	10 \pm 25%	10 \pm 25%	28.8(23.0)	28.8(23.0)	4.9	4.5	4.0
CDEPI106NP - 15 \emptyset	150	15 \pm 25%	15 \pm 25%	28.8(23.0)	28.8(23.0)	3.5	3.0	4.0
CDEPI106NP - 22 \emptyset	220	22 \pm 30%	22 \pm 30%	28.8(23.0)	28.8(23.0)	2.2	1.9	4.0

1.Saturation Current: The DC current at which the inductance decreases to 75% of it's nominal value

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