SMD Power Inductor

CDEIR49D28ME

Description

- Ferrite core construction.
- Magnetically shielded.
- L×W×H:5.5×5.2×3.0mm Max.
- Product weight: 0.3g(Ref.)
- Moisture Sensitivity Level: 1



Environmental Data

- Operating temperature range: -40℃～+125℃ (including coil's self temperature rise)
- Storage temperature range: -40℃～+125℃

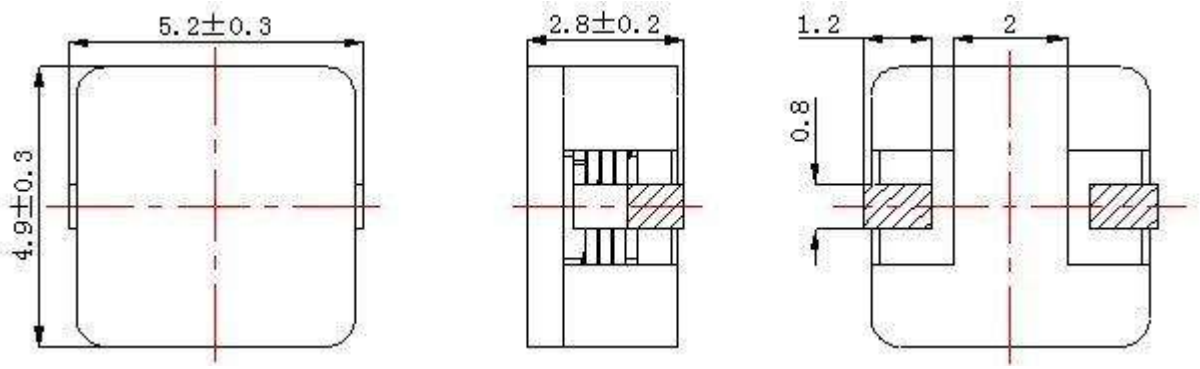
Packaging

- Carrier tape and reel packaging.
- 2000pcs per reel.

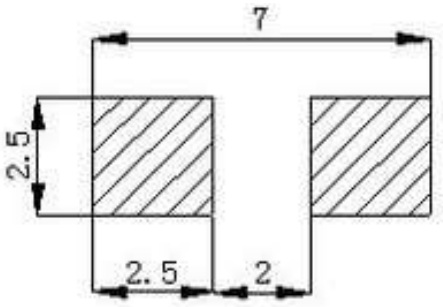
Applications

- High current POL converters, low profile, high current power supplies, DC/DC converters in distributed power systems.

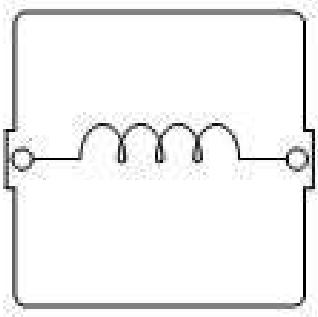
Dimension - [mm]



Recommended Land pattern - [mm]



Wire Connection



Note: This specification is subject to change without notice. Please contact your nearest sales office for updated information when placing an order.

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Electrical Characteristics

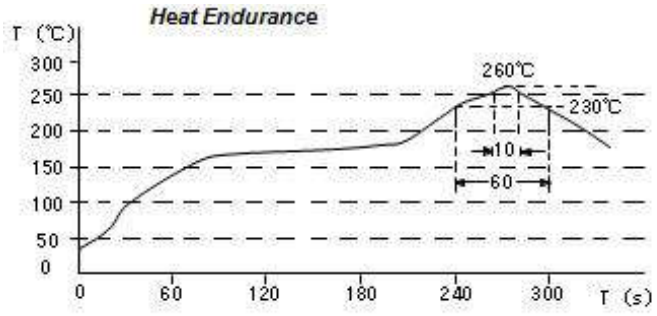
Part Number	Inductance [Within] (μH) ※1	D.C.R. at 20℃ max(typ) (mΩ)	Saturation Current at 20℃(A) ※2	Temperature Rise Current (A) ※3
CDEIR49D28MENP-R33MC	0.33 ± 20%	4.80 (4.00)	14.00	14.00

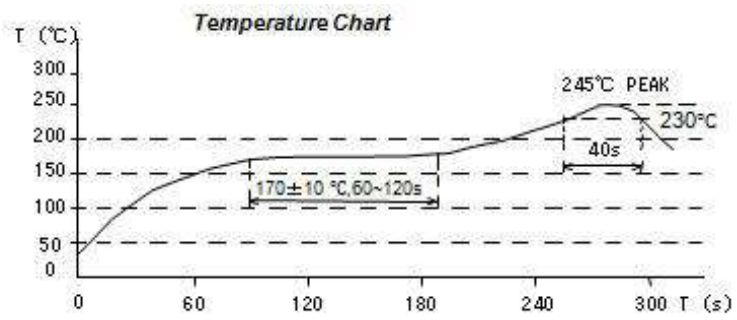
※1 Measured frequency Inductance at 100kHz, 1V.

※2 Saturation current: This indicates the actual value of D.C. current when the inductance becomes 20% lower than its initial value.

※3 Temperature rise current: The actual value of D.C. current when the temperature of coil becomes △T=40℃ (Ta＝20℃).

Solder Reflow Condition





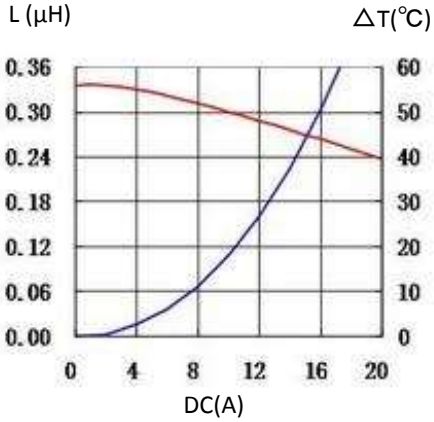
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Saturation Current & Temperature Rise Graph

L (20°C) ΔT

1. CDEIR49D28MENP-R33MC



For sales office information, please click here to visit our website.