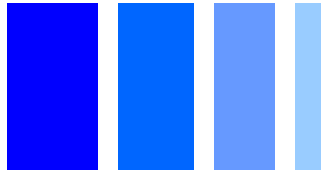


SMD Power Inductor CDBM7D28



Description

- Ferrite core construction
- Magnetically shielded
- L × W × H: 8.0 × 5.0 × 3.0 mm Max.
- Product weight: 0.5g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Environmental Data

- Operating temperature range: -40°C ~ +100°C (including coil's self temperature rise)
- Storage temperature range: -40°C ~ +100°C
- Solder reflow temperature: 260 °C peak.

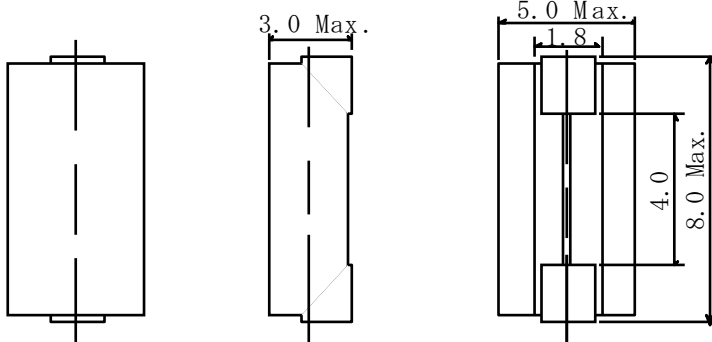
Packaging

- Carrier tape and reel packaging
- 11.8 " diameter reel
- 2000 pcs per reel

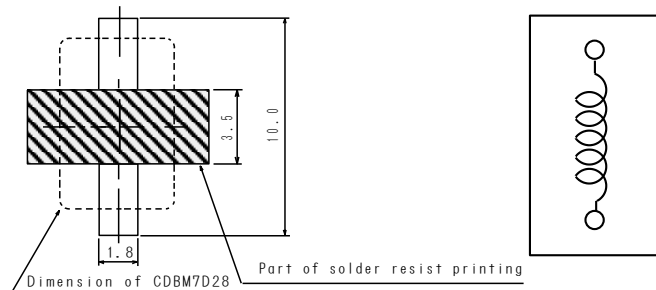
Applications

- Ideally used in the multiple chopper type DC/DC converters for servers and various decentralized power supplies.

Dimension - inch [mm]



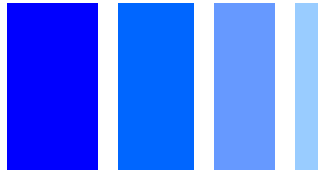
Land pattern and Schematics - inch [mm]



Electrical Characteristics

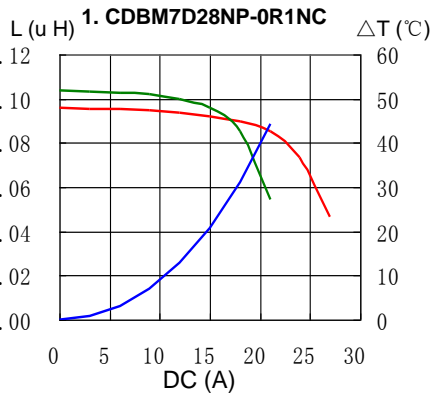
Parameter	I _{dc}	Measuring condition	Typ.	Min.	Max.	Unit
1. Inductance (at 20°C)	0A	1MHz	100	80	120	nH
	0~15A	1MHz	—	80	—	nH
2. D.C.R. (at 20°C)	—		1.4	—	1.7	mΩ
3. Rating current	—				15.0	A

SMD Power Inductor CDBM7D28



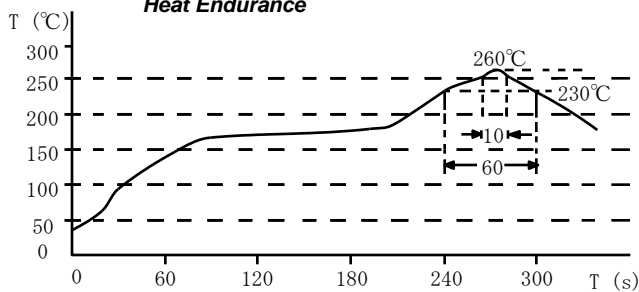
Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT

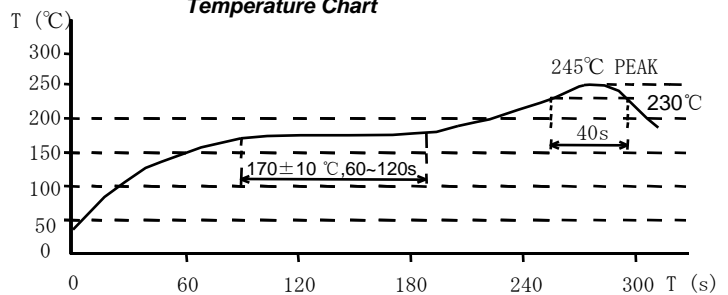


Solder Reflow Condition

Heat Endurance



Temperature Chart



Please refer to the sales offices on our website - <http://www.sumida.com>

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