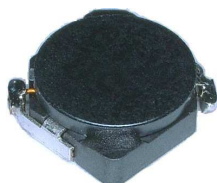


SMD Power Inductor CDMPIH60D18



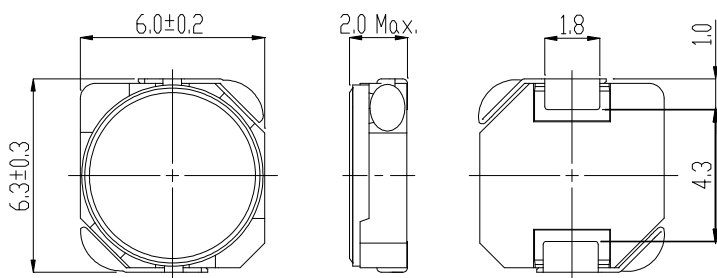
**Halogen
Free**



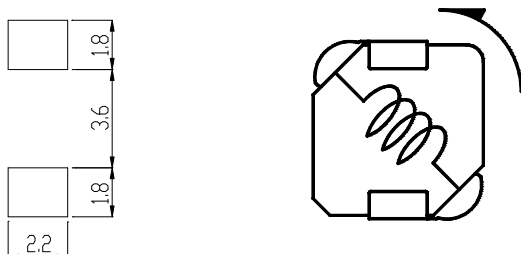
Description

- Ferrite core construction.
- Magnetically shielded.
- Lower flux leakage.
- L × W × H: 6.6 × 6.2 × 2.0 mm Max.
- Product weight: 0.25 g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Dimension - [mm]



Land pattern and Schematics - [mm]



Environmental Data

- Operating temperature range: -40°C~+105°C (including coil's self temperature rise)
- Storage temperature range: -40°C~+105°C
- Solder reflow temperature: 260 °C peak.

Packaging

- Carrier tape and reel packaging.
- 13.0" diameter reel
- 2000pcs per reel

Applications

- Ideally used in filter choke of camera lens etc.

Electrical Characteristics

Part No.	Stamp	Inductance (μH) [Within] ※1	D.C.R. (mΩ) [Max.] (Typ.) (at 20°C)	Saturation current (A)※2		Temperature rise current (A)※3
				(at 20°C)	(at 105°C)	
CDMPIH60D18NP-6R8PC	6R8	6.8 ± 25%	185(148)	2.10	1.70	1.10
CDMPIH60D18NP-150MC	150	15.0 ± 20%	360(285)	1.45	1.15	0.80

※1. Inductance measuring condition: at 100 kHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 65% of it's nominal value.

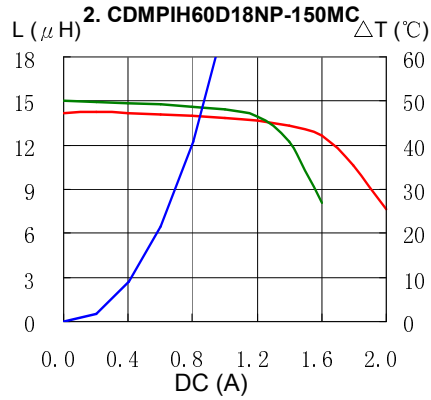
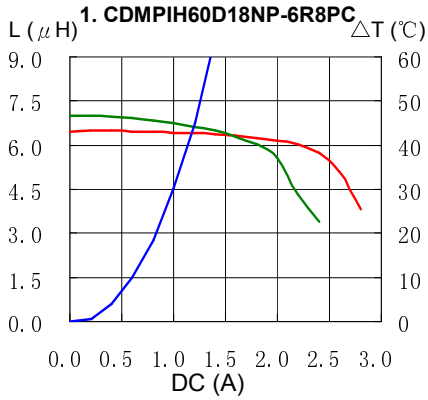
※3. Temperature rise current: The value of D.C. current when the temperature rise is Δt=40°C (Ta=20°C).

SMD Power Inductor CDMPIH60D18

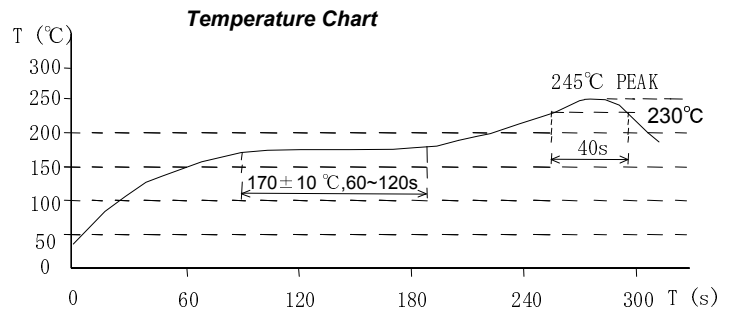
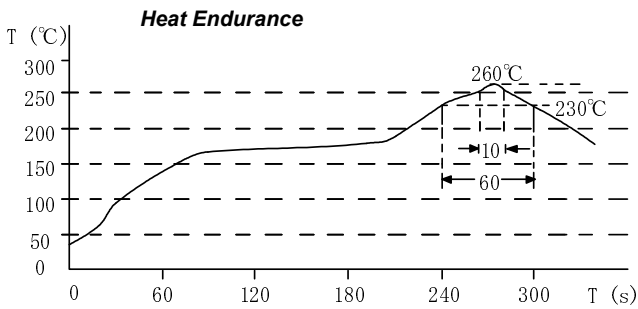


Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



Solder Reflow Condition



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

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