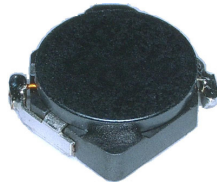


# SMD Power Inductor CDMPIH60D18



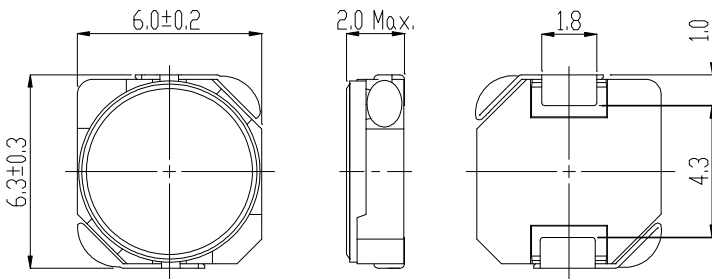
Halogen Free



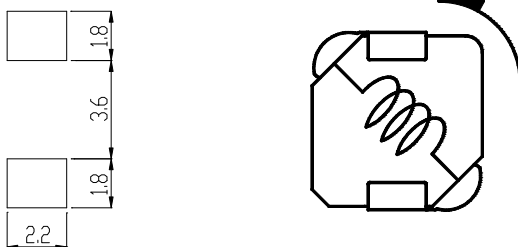
## Description

- 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.

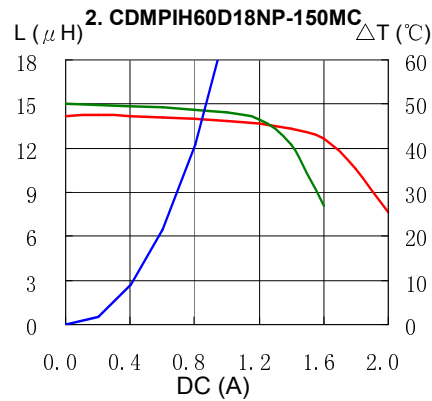
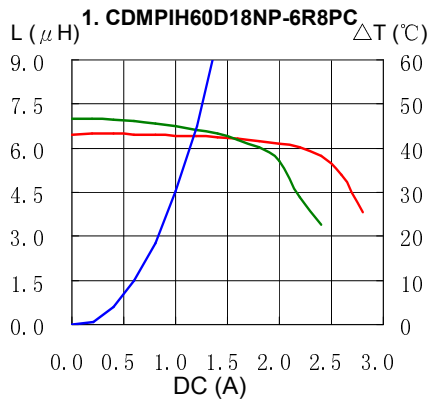
※3. Temperature rise current: The value of D.C. current when the temperature rise is Δt=40°C (Ta=20°C).

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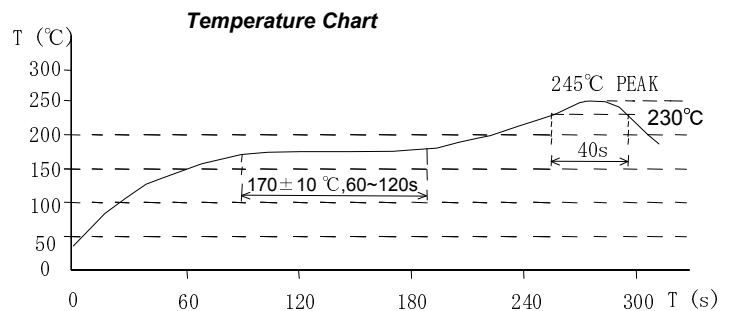
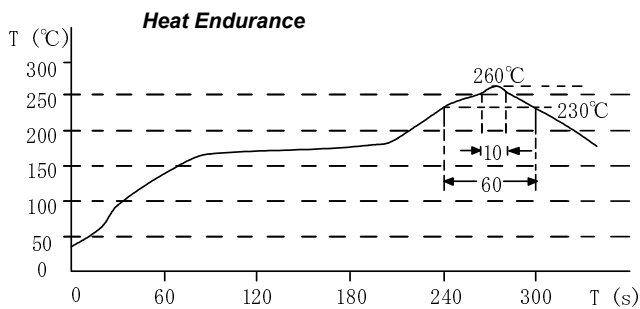


## Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) —  $\Delta T$



## Solder Reflow Condition



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