

# SMD Power Inductor CDMPIH58D28



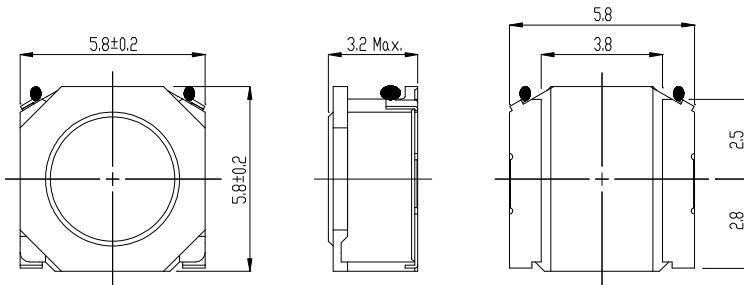
Halogen Free



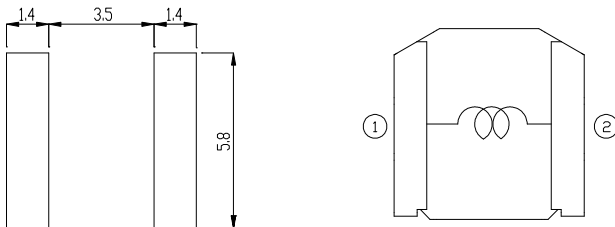
## Description

- Ferrite core construction.
- Magnetically shielded.
- Lower flux leakage.
- L × W × H: 6.0 × 6.0 × 3.2 mm Max.
- Product weight: 0.4g (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 Single-lens reflex cameras or other consumer electronics.

## Electrical Characteristics

Part No.	Stamp	Inductance ( $\mu$ H) [Within] ※1	D.C.R. ( $\Omega$ ) [Within] (at 20°C)	Saturation current (mA) ※2		Temperature rise Current (mA) ※3
				(at 20°C)	(at 105°C)	
CDMPIH58D28NP-151MC	E	150 $\mu$ H $\pm$ 20%	1.06(0.85)	330	240	440
CDMPIH58D28NP-221MC	G	220 $\mu$ H $\pm$ 20%	1.50(1.20)	270	190	380
CDMPIH58D28NP-331MC	J	330 $\mu$ H $\pm$ 20%	2.10(1.70)	230	170	330
CDMPIH58D28NP-471MC	L	470 $\mu$ H $\pm$ 20%	3.00(2.40)	190	140	260
CDMPIH58D28NP-681MC	N	680 $\mu$ H $\pm$ 20%	4.40(3.50)	160	120	230
CDMPIH58D28NP-102MC	Q	1000 $\mu$ H $\pm$ 20%	6.60(5.30)	130	100	180
CDMPIH58D28NP-152MC	S	1500 $\mu$ H $\pm$ 20%	10.2(8.3)	100	80	140
CDMPIH58D28NP-222MC	U	2200 $\mu$ H $\pm$ 20%	16.5(13.2)	85	65	120

※1. Measuring condition: at 1kHz.

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

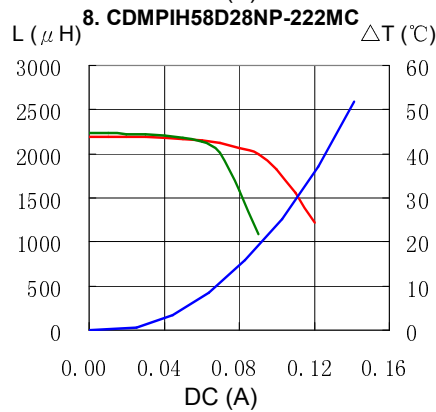
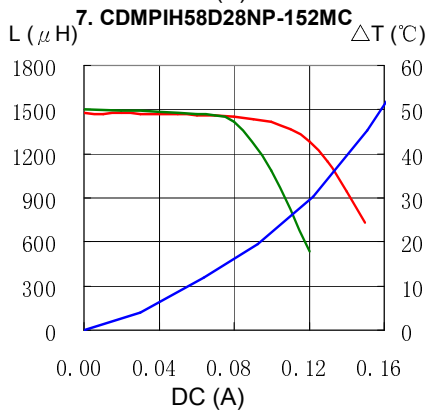
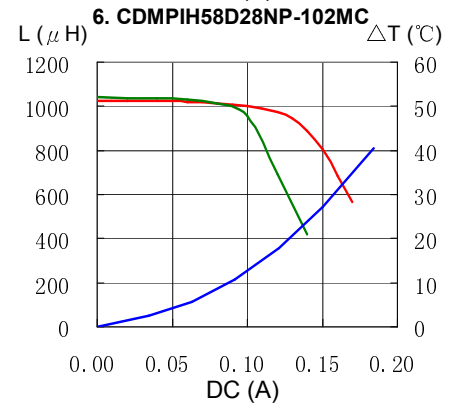
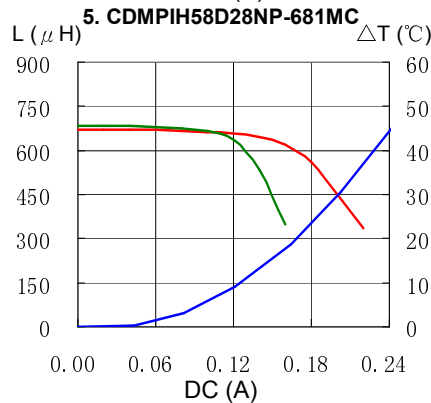
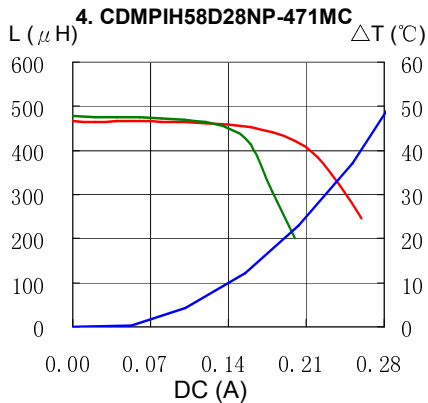
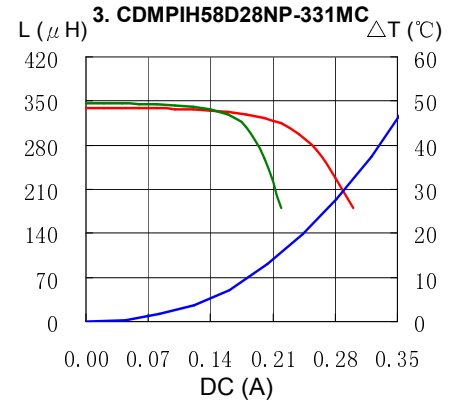
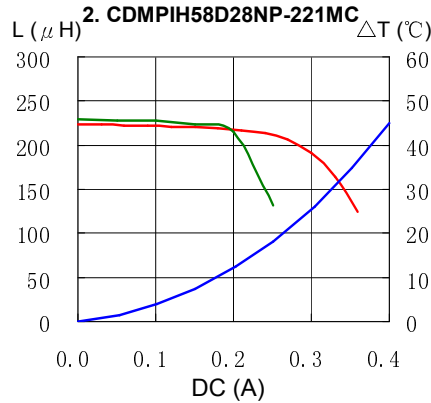
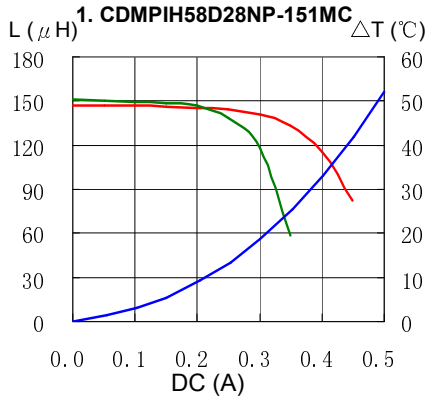
※3. Temperature rise current: The value of D.C. current when the temperature rise is  $\Delta t = 40^\circ\text{C}$  ( $T_a = 20^\circ\text{C}$ ).

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## Saturation Current & Temperature Rise Graph

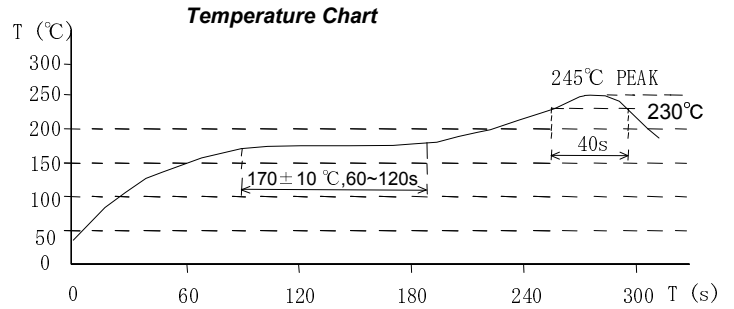
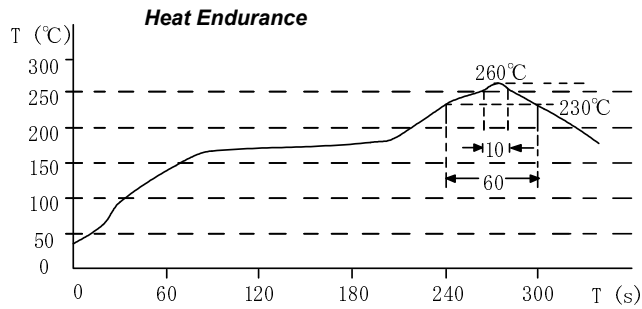
— L (20°C) — L (105°C) —  $\Delta T$



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## Solder Reflow Condition



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

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