

SMD Power Inductor

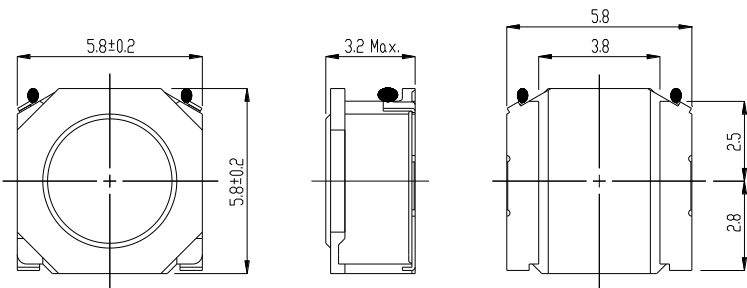
CDMPIH58D28



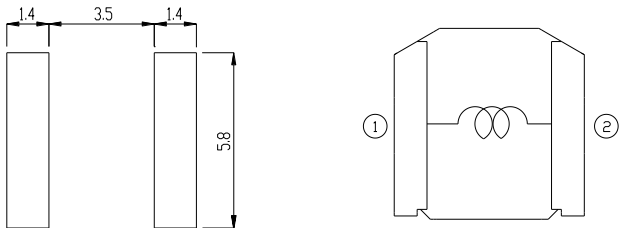
Description

- 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 .

Dimension - [mm]



Land pattern and Schematics - [mm]



Electrical Characteristics

Part No.	Stamp	Inductance (μH) [Within] ※1	D.C.R.(Ω) [Within] (at 20℃)	Saturation current (mA) ※2		Temperature rise Current (mA) ※3
				(at 20℃)	(at 105℃)	
CDMPIH58D28NP-151MC	E	150μH±20%	1.06(0.85)	330	240	440
CDMPIH58D28NP-221MC	G	220μH±20%	1.50(1.20)	270	190	380
CDMPIH58D28NP-331MC	J	330μH±20%	2.10(1.70)	230	170	330
CDMPIH58D28NP-471MC	L	470μH±20%	3.00(2.40)	190	140	260
CDMPIH58D28NP-681MC	N	680μH±20%	4.40(3.50)	160	120	230
CDMPIH58D28NP-102MC	Q	1000μH±20%	6.60(5.30)	130	100	180
CDMPIH58D28NP-152MC	S	1500μH±20%	10.2(8.3)	100	80	140
CDMPIH58D28NP-222MC	U	2200μH±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 it's nominal value.
※3. Temperature rise current: The value of D.C. current when the temperature rise is Δt=40℃(Ta=20℃).

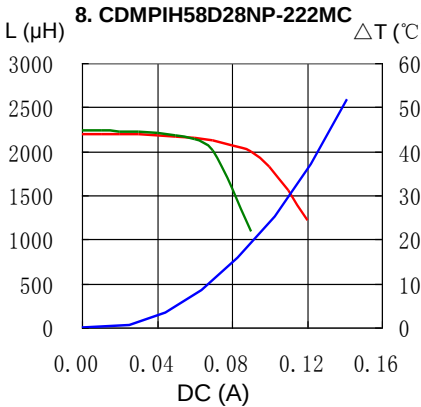
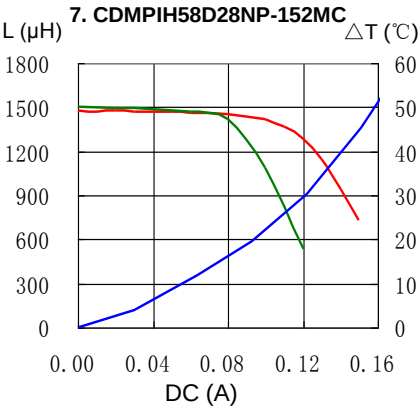
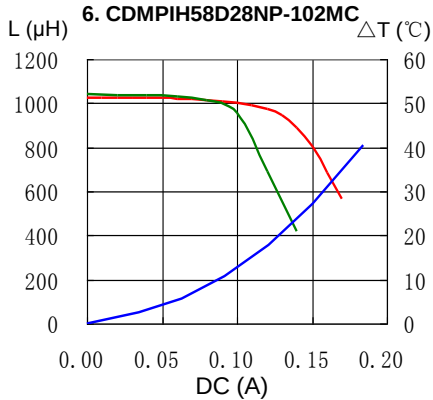
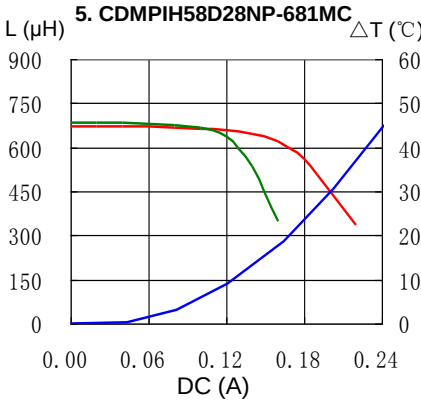
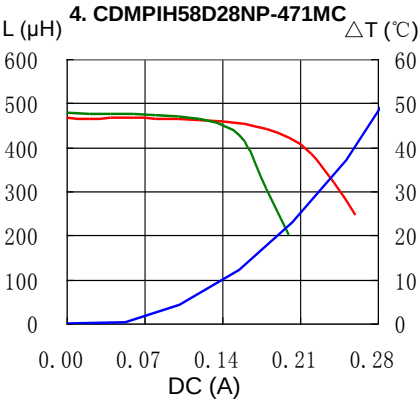
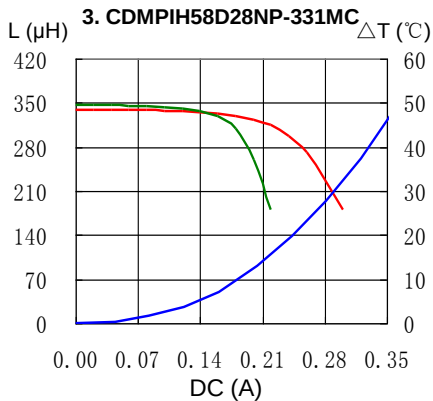
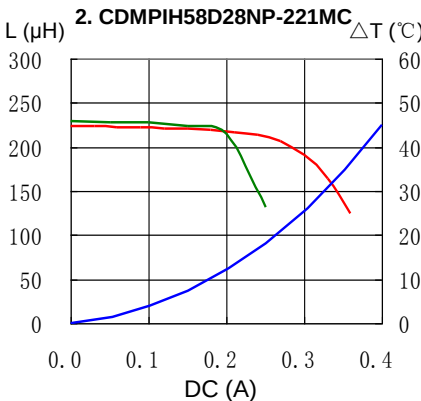
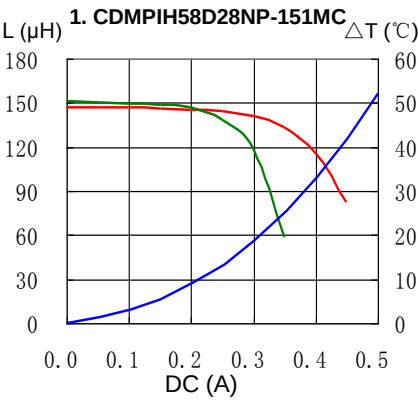
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Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



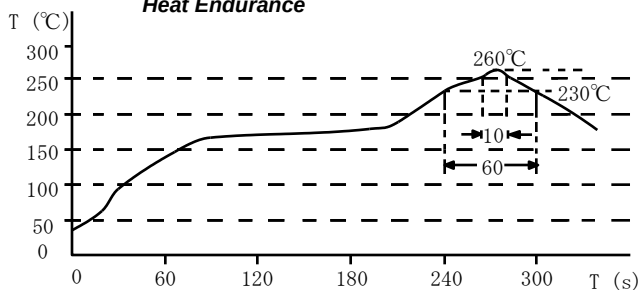
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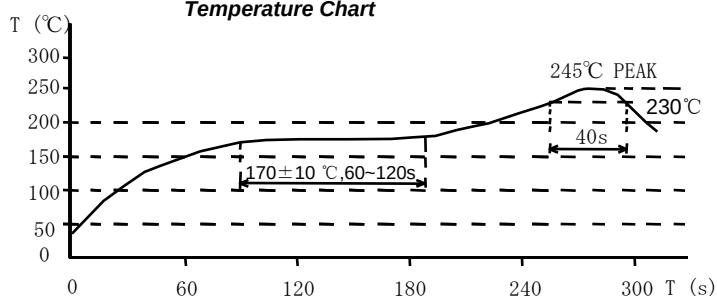


Solder Reflow Condition

Heat Endurance



Temperature Chart



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