

SMD Power Inductor

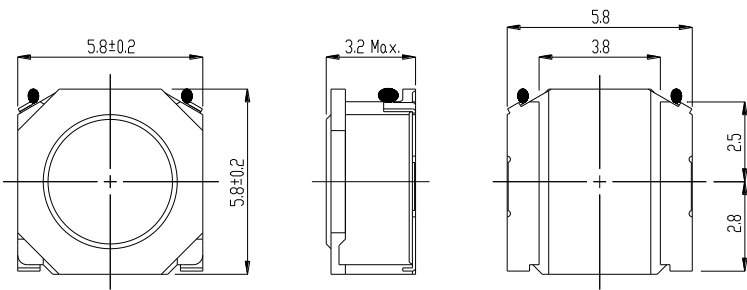
CDMPIH58D28



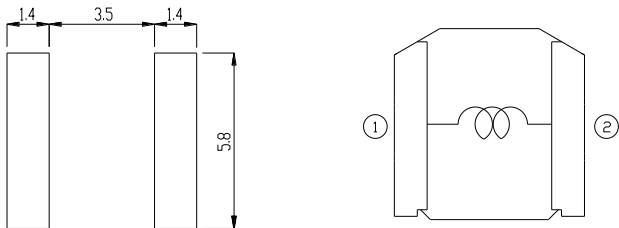
Description

- 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°C)	Saturation current (mA) ※2		Temperature rise Current (mA)※3
				(at 20°C)	(at 105°C)	
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°C(Ta=20°C).

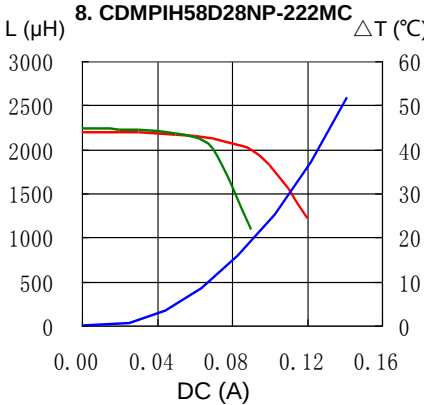
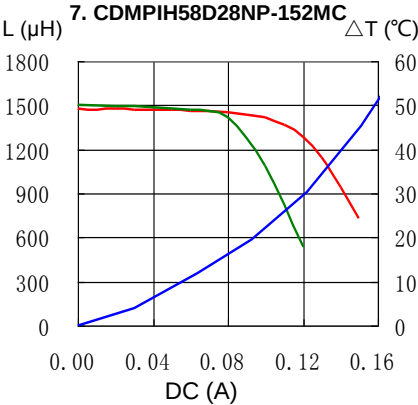
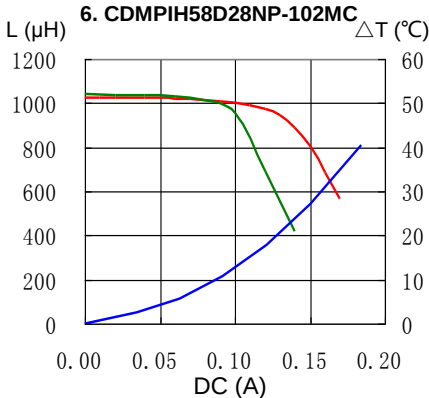
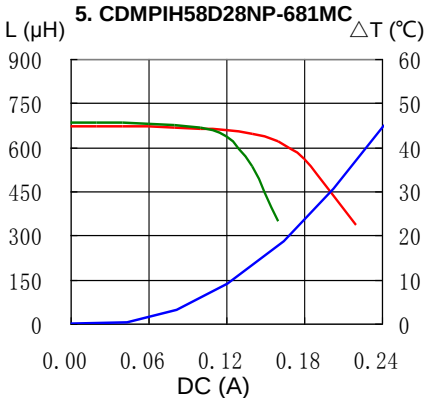
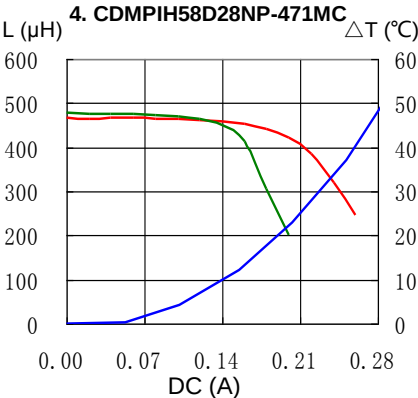
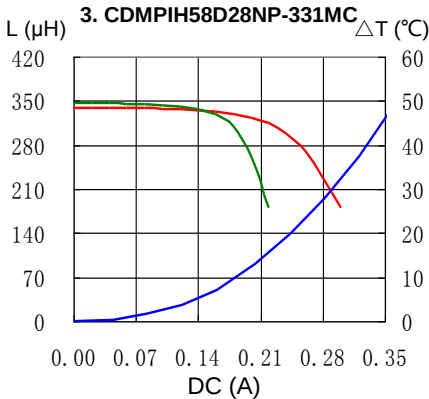
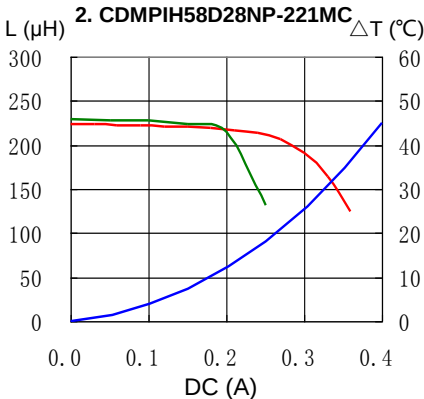
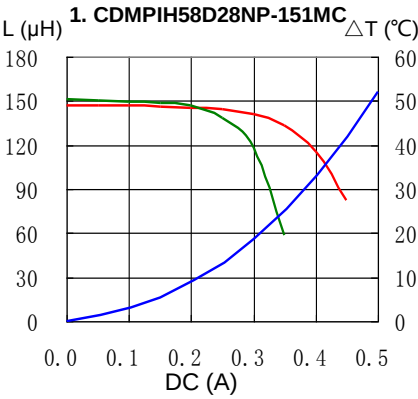
SMD Power Inductor

CDMPIH58D28



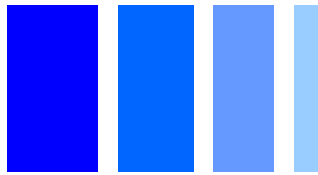
Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



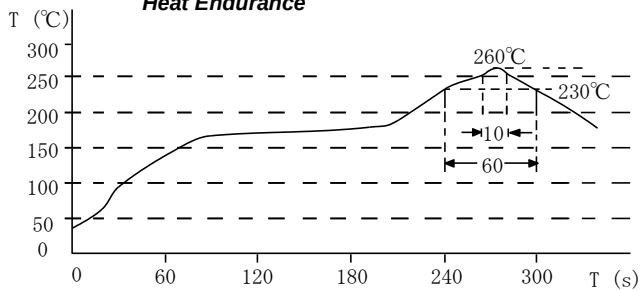
SMD Power Inductor

CDMPIH58D28

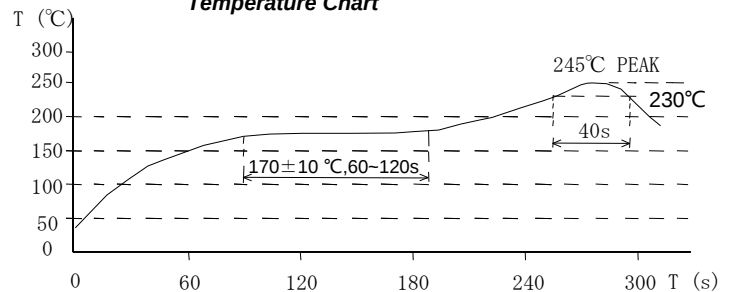


Solder Reflow Condition

Heat Endurance



Temperature Chart



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

Hong Kong

Tel.+852-2880-6781
FAX.+852-2565-9600
sales@hk.sumida.com

Saitama(Japan)

Tel.+81-48-691-7300
FAX.+81-48-691-7340
sales@jp.sumida.com

Chicago

Tel.+1-847-545-6700
FAX. +1-847-545-6720
sales@us.sumida.com

Shanghai

Tel.+86-21-5836-3299
FAX.+86-21-5836-3266
shanghai.sales@cn.sumida.com

Seoul

Tel.+82-2-6237-0777
FAX.+82-2-6237-0778
sales@kr.sumida.com

Obernzell

Tel.+49-8591-937-0
FAX. +49-8591-937-103
contact@eu.sumida.com

Shenzhen

Tel.+86-755-8291-0228
FAX.+86-755-8291-0338
shenzhen.sales@cn.sumida.com

Singapore

Tel.+65-6296-3388
FAX.+65-6841-4426
sales@sg.sumida.com

Neumarkt

Tel.+49-9181-4509-110
FAX. +49-9181-4509-310
infocomp@eu.sumida.com

Taipei

Tel.+886-2-8751-2737
FAX.+886-2-8751-2738
sales@tw.sumida.com

San Jose

Tel.+1-408-321-9660
FAX.+1-408-321-9308
sales@us.sumida.com