

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Sumida Corporation](#)
[CDRH58D14RHF-470MC](#)

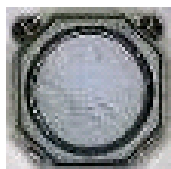
For any questions, you can email us directly:

sales@integrated-circuit.com

SMD Power Inductor CDRH58D14R



**Halogen
Free**



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 6.0 × 6.0 × 1.5 mm Max.
- Product weight: 0.16g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

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.

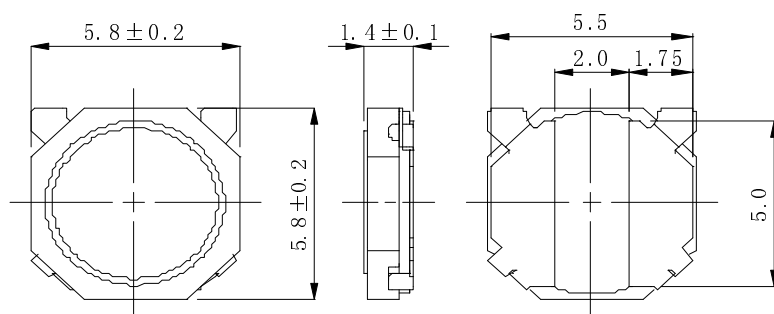
Packaging

- Carrier tape and reel packaging
- 13.0" diameter reel
- 3000pcs per reel

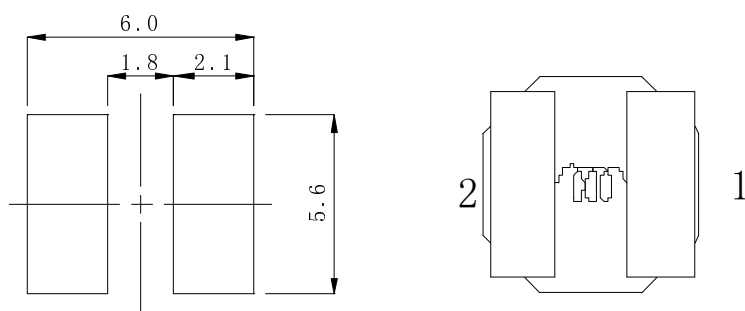
Applications

- Ideally used in Hard Disk.

Dimension - [mm]



Land pattern and Schematics - [mm]



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Electrical Characteristics

Part No.	Stamp	Inductance (μ H) [Within] ※1	D.C.R. (m Ω) [Within] (at 20°C)	Saturation current (A) ※2	Temperature rise current (A) ※3
CDRH58D14RHF-1R0NC	A	1.0 $\pm$ 30%	16 $\pm$ 25%	3.15	4.62
CDRH58D14RHF-1R4NC	B	1.4 $\pm$ 30%	20 $\pm$ 25%	2.55	4.15
CDRH58D14RHF-2R0NC	C	2.0 $\pm$ 30%	25 $\pm$ 25%	2.13	3.75
CDRH58D14RHF-2R7NC	D	2.7 $\pm$ 30%	30 $\pm$ 25%	1.87	3.35
CDRH58D14RHF-3R3NC	E	3.3 $\pm$ 30%	44 $\pm$ 25%	1.70	2.84
CDRH58D14RHF-4R7NC	F	4.7 $\pm$ 30%	50 $\pm$ 25%	1.40	2.50
CDRH58D14RHF-6R8MC	G	6.8 $\pm$ 20%	75 $\pm$ 25%	1.16	2.06
CDRH58D14RHF-100MC	H	10 $\pm$ 20%	108 $\pm$ 20%	0.96	1.72
CDRH58D14RHF-150MC	J	15 $\pm$ 20%	159 $\pm$ 20%	0.78	1.47
CDRH58D14RHF-220MC	K	22 $\pm$ 20%	263 $\pm$ 20%	0.65	1.09
CDRH58D14RHF-330MC	L	33 $\pm$ 20%	387 $\pm$ 20%	0.54	0.88
CDRH58D14RHF-470MC	M	47 $\pm$ 20%	531 $\pm$ 20%	0.45	0.75

※1 Measuring condition Inductance at 100kHz .

※2 Saturation current: The value of DC current when the inductance decreases to 70% of its nominal.

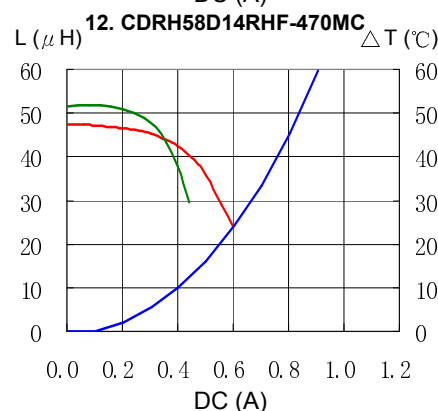
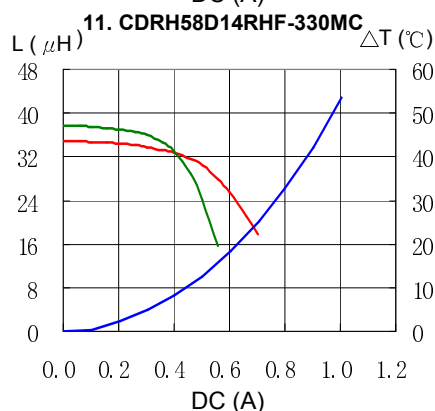
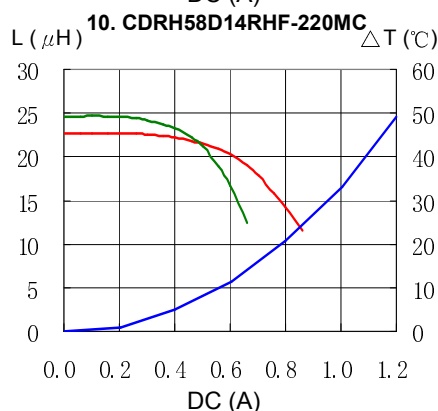
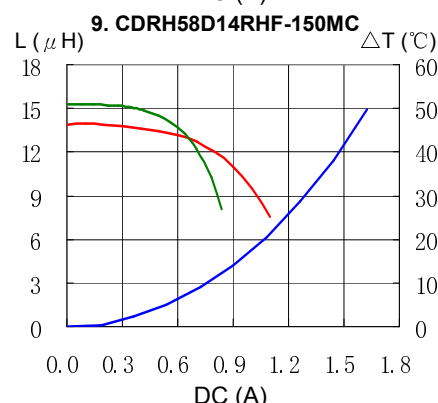
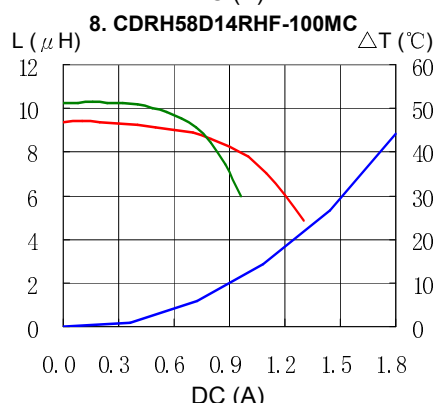
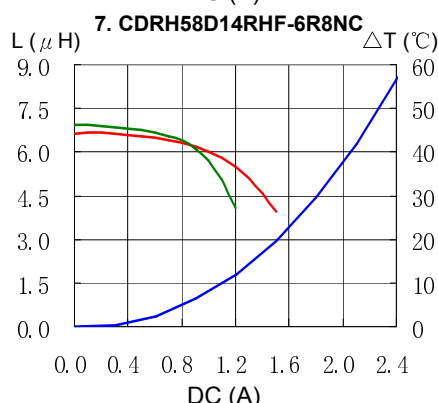
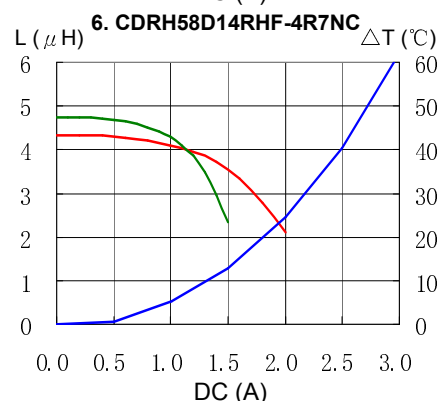
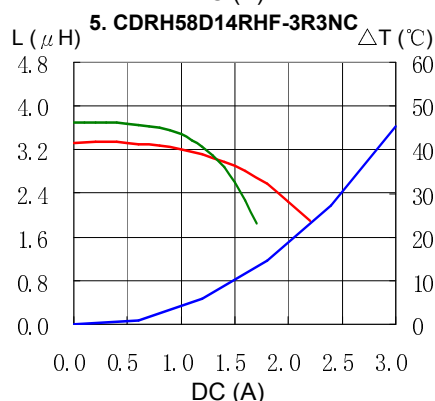
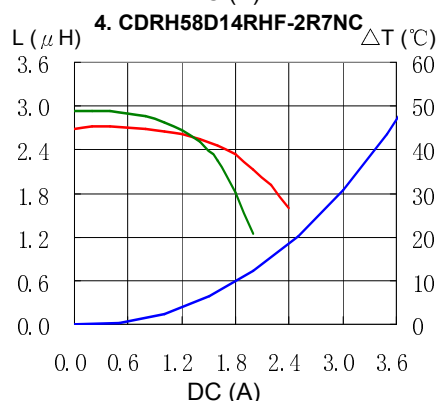
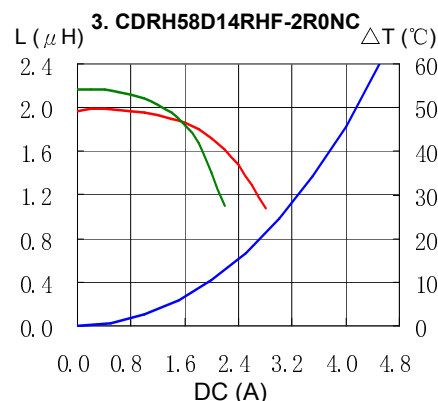
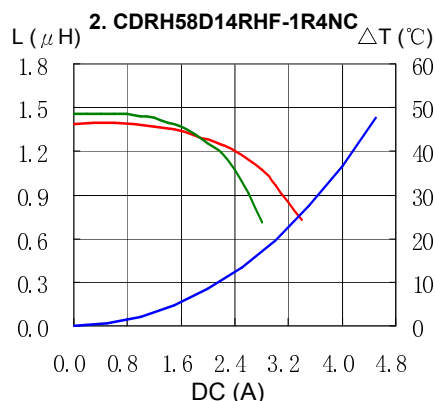
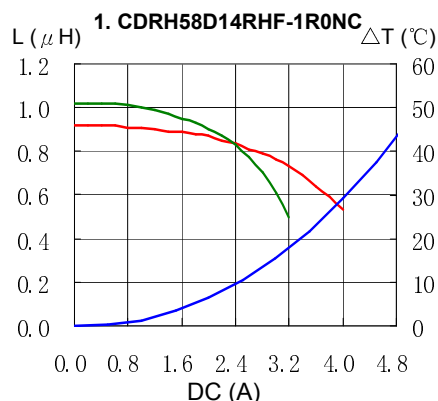
※3 Temperature rise current: The value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$).

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Saturation Current & Temperature Rise Graph

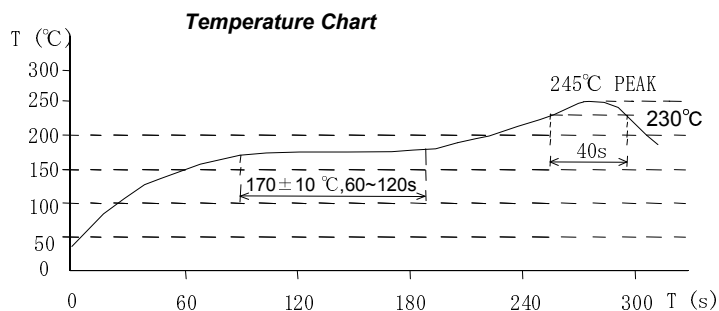
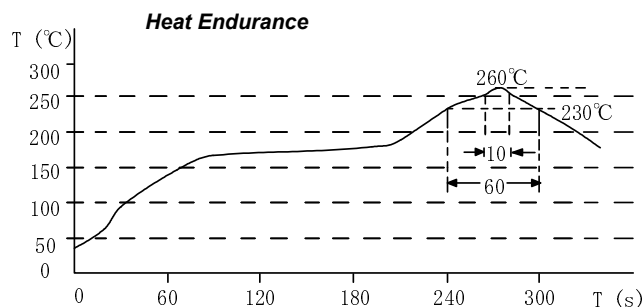
— L (20°C) — L (105°C) — ΔT



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Solder Reflow Condition



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