

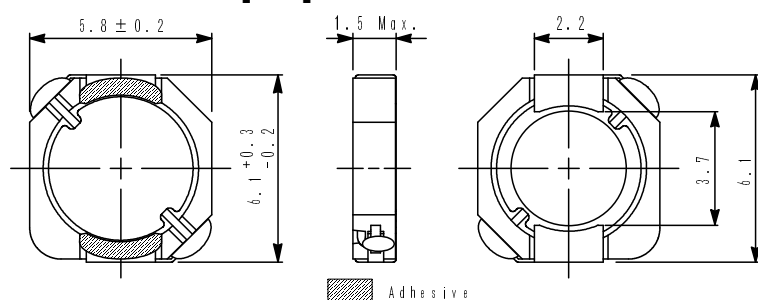
SMD Power Inductor CDRH5D14/LD



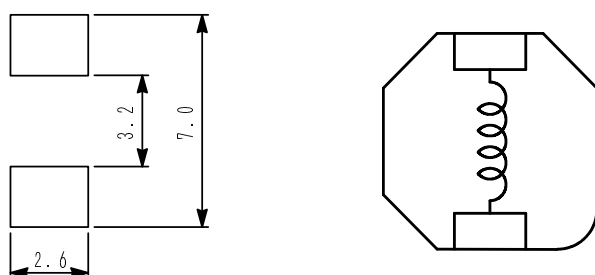
Halogen
Free



Dimension - [mm]



Land pattern and Schematics - [mm]



Electrical Characteristics

Part Name	Stamp	Inductance (μ H) [within] ※1	D.C.R. (m Ω) Max. (Typ.) (at 20°C)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
				at 20°C	at 100°C	
CDRH5D14LDNP-3R3NC	3R3	$3.3 \pm 25\%$	47(38)	1.10	820m	2.70
CDRH5D14LDNP-4R7NC	4R7	$4.7 \pm 25\%$	60(48)	1.00	750m	2.25
CDRH5D14LDNP-6R8NC	6R8	$6.8 \pm 25\%$	82(66)	780m	580m	2.00
CDRH5D14LDNP-100MC	100	$10 \pm 20\%$	106(85)	680m	510m	1.95
CDRH5D14LDNP-150MC	150	$15 \pm 20\%$	158(127)	550m	410m	1.22
CDRH5D14LDNP-220MC	220	$22 \pm 20\%$	220(180)	440m	330m	1.13
CDRH5D14LDNP-330MC	330	$33 \pm 20\%$	380(310)	370m	280m	780m
CDRH5D14LDNP-470MC	470	$47 \pm 20\%$	500(400)	320m	250m	700m
CDRH5D14LDNP-680MC	680	$68 \pm 20\%$	770(620)	270m	210m	530m
CDRH5D14LDNP-101MC	101	$100 \pm 20\%$	1050(840)	220m	160m	450m

※1. Inductance measuring condition: at 100kHz.

※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 $\Delta t = 40^\circ\text{C}$ ($T_a = 20^\circ\text{C}$).

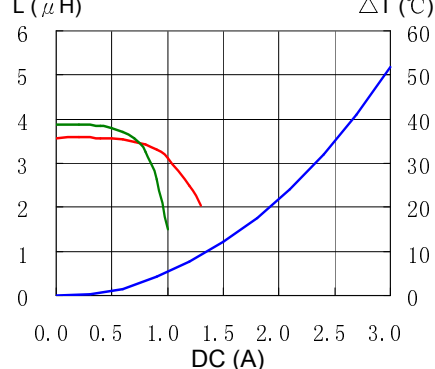
SMD Power Inductor CDRH5D14/LD



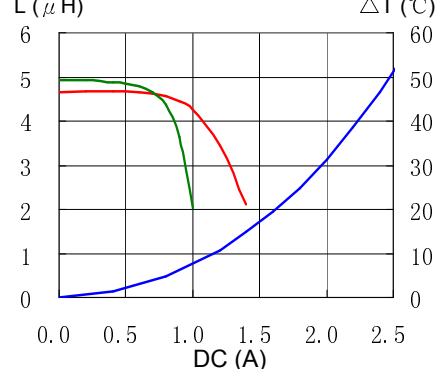
Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

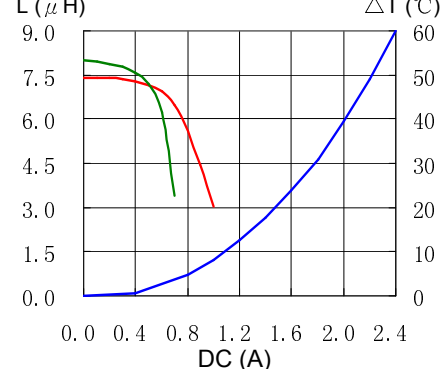
1. CDRH5D14LDNP-3R3NC



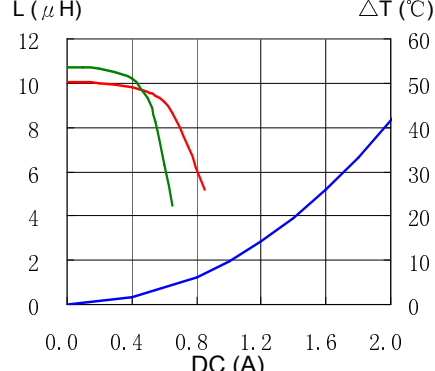
2. CDRH5D14LDNP-4R7NC



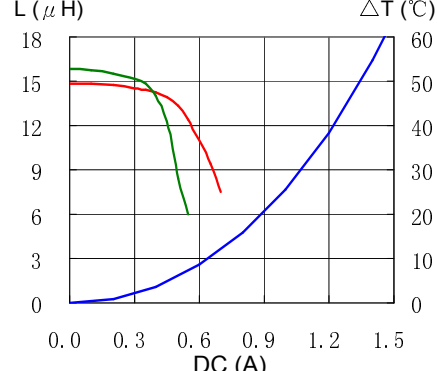
3. CDRH5D14LDNP-6R8NC



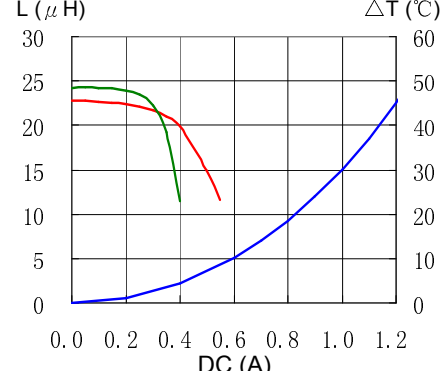
4. CDRH5D14LDNP-100MC



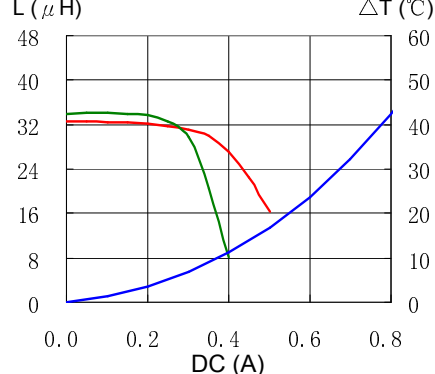
5. CDRH5D14LDNP-150MC



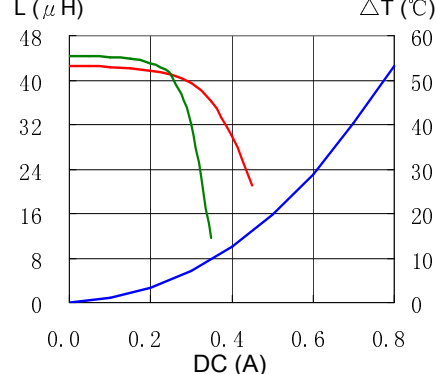
6. CDRH5D14LDNP-220MC



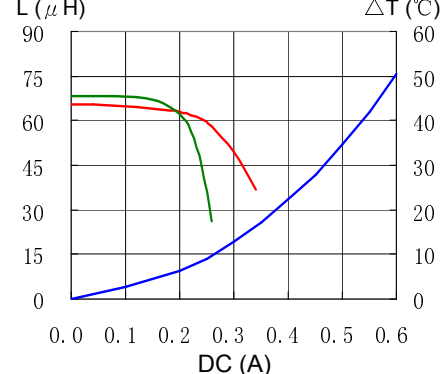
7. CDRH5D14LDNP-330MC



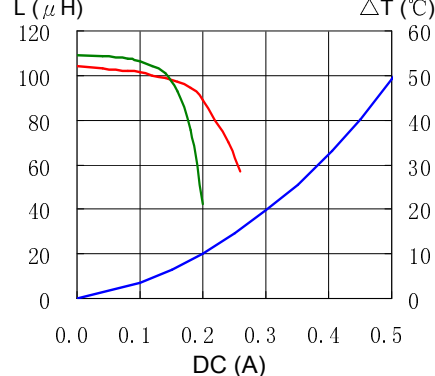
8. CDRH5D14LDNP-470MC



9. CDRH5D14LDNP-680MC



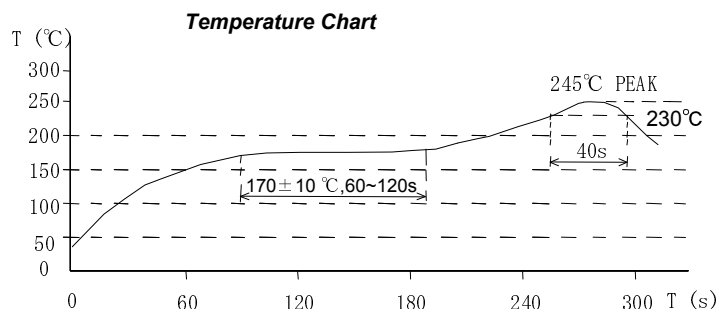
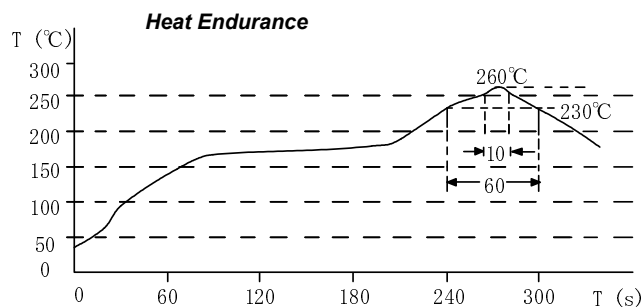
10. CDRH5D14LDNP-101MC



SMD Power Inductor CDRH5D14/LD



Solder Reflow Condition



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

Hong Kong

Tel. +852-2880-6688
FAX. +852-2565-9600
sales@hk.sumida.com

Tokyo

Tel. +81-3-5202-7112
FAX. +81-3-5202-7105
sales@jp.sumida.com

Chicago

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

Shanghai

Tel. +86-021-5836-3299
FAX. +86-021-5836-3266
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@sumida-eu.com

Shenzhen

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

Singapore

Tel. +65-6296-3388
FAX. +65-6296-3390
sales@sg.sumida.com

Neumarkt

Tel. +49-9181-4509-110
FAX. +49-9181-4509-310
info@comp@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