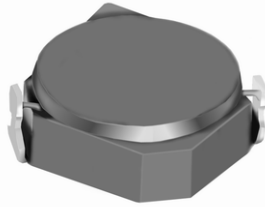


# SMD Power Inductor CDRH6D26/HP



## Description

- Ferrite drum core construction.
- Magnetically shielded.
- L x W x H: 7.0 x 7.0 x 2.8 mm Max.
- Product weight: 0.4g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

## 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.

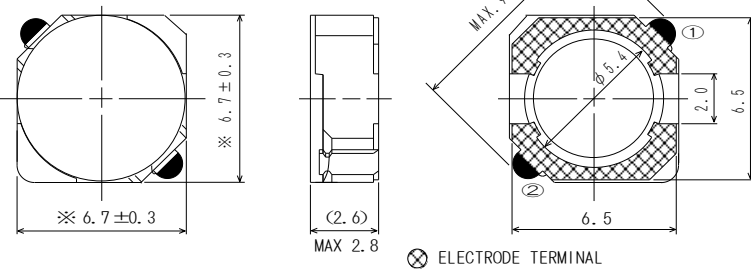
## Packaging

- Carrier tape and reel packaging
- 13" diameter reel
- 1500pcs per reel

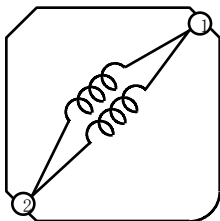
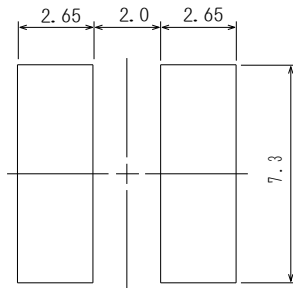
## Applications

- Ideally used in Mobile phone, MP3, PDA, HDD, DSC/DVC, etc as DC-DC converter inductors.

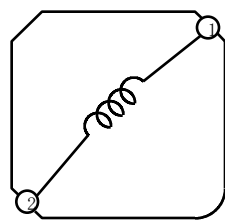
## Dimension - [mm]



## Land pattern and Schematics - [mm]



(1.5µH ~ 10µH)



(15µH ~ 100µH)



### Electrical Characteristics

Part Name	Stamp	Inductance ( $\mu\text{H}$ ) [ within ] ※1	D.C.R. (m $\Omega$ ) Max. (Typ.) (at 20°C)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
				at 20°C	at 105°C	
CDRH6D26HPNP-1R5PC	1R5	1.5 $\pm$ 25%	20.3(16.2)	6.30	5.20	4.60
CDRH6D26HPNP-2R2PC	2R2	2.2 $\pm$ 25%	23.1(18.5)	5.10	4.20	4.00
CDRH6D26HPNP-3R3PC	3R3	3.3 $\pm$ 25%	26.9(21.5)	4.20	3.60	3.90
CDRH6D26HPNP-4R7PC	4R7	4.7 $\pm$ 25%	41.3(33.0)	3.40	2.90	2.90
CDRH6D26HPNP-5R6PC	5R6	5.6 $\pm$ 25%	48.4(38.7)	3.10	2.80	2.70
CDRH6D26HPNP-6R8PC	6R8	6.8 $\pm$ 25%	64.4(51.5)	2.90	2.55	2.30
CDRH6D26HPNP-8R2PC	8R2	8.2 $\pm$ 25%	83.1(66.5)	2.75	2.35	2.00
CDRH6D26HPNP-100MC	100	10.0 $\pm$ 20%	90.0(72.0)	2.50	2.05	1.80
CDRH6D26HPNP-150MC	150	15.0 $\pm$ 20%	128(102)	2.00	1.70	1.45
CDRH6D26HPNP-180MC	180	18.0 $\pm$ 20%	144(115)	1.85	1.55	1.35
CDRH6D26HPNP-220MC	220	22.0 $\pm$ 20%	174(139)	1.70	1.40	1.20
CDRH6D26HPNP-270MC	270	27.0 $\pm$ 20%	235(188)	1.50	1.25	1.05
CDRH6D26HPNP-330MC	330	33.0 $\pm$ 20%	258(206)	1.35	1.15	1.00
CDRH6D26HPNP-390MC	390	39.0 $\pm$ 20%	283(226)	1.25	1.05	0.95
CDRH6D26HPNP-470MC	470	47.0 $\pm$ 20%	381(305)	1.15	0.95	0.80
CDRH6D26HPNP-560MC	560	56.0 $\pm$ 20%	425(340)	1.05	0.88	0.75
CDRH6D26HPNP-680MC	680	68.0 $\pm$ 20%	470(376)	0.95	0.80	0.70
CDRH6D26HPNP-820MC	820	82.0 $\pm$ 20%	696(557)	0.85	0.72	0.58
CDRH6D26HPNP-101MC	101	100 $\pm$ 20%	758(606)	0.80	0.65	0.55

※1. Inductance Measuring condition: at 100kHz.

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

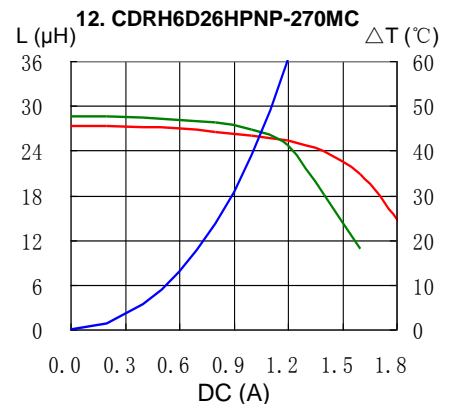
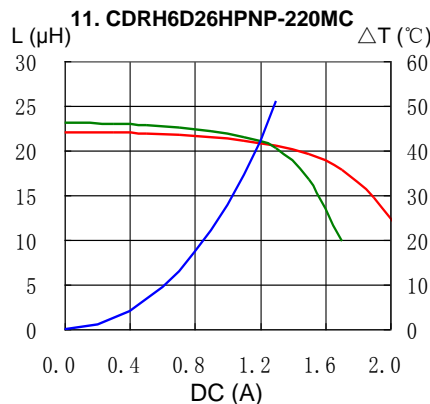
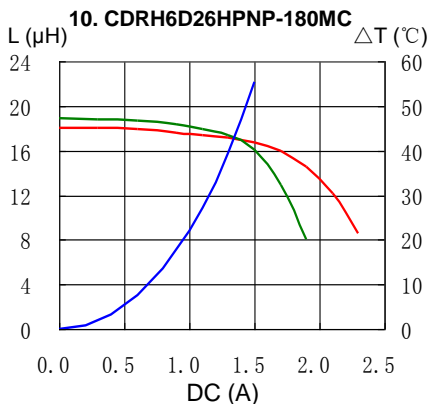
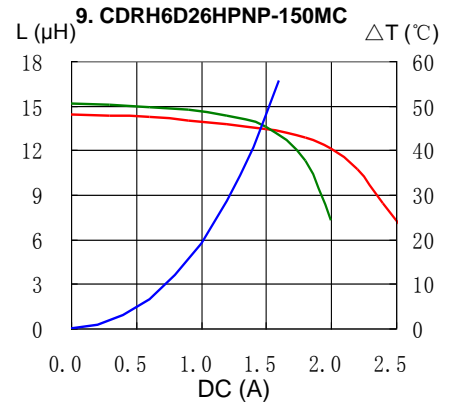
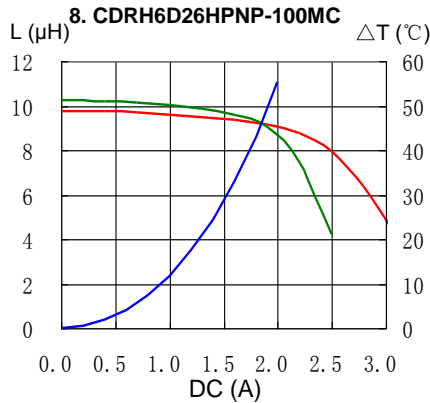
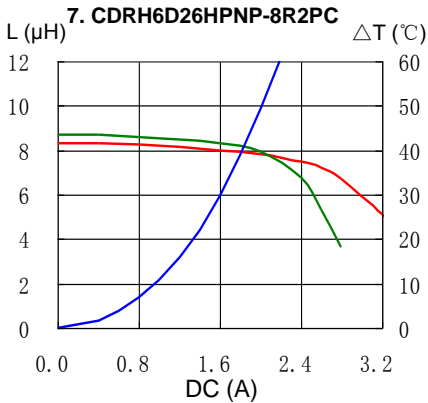
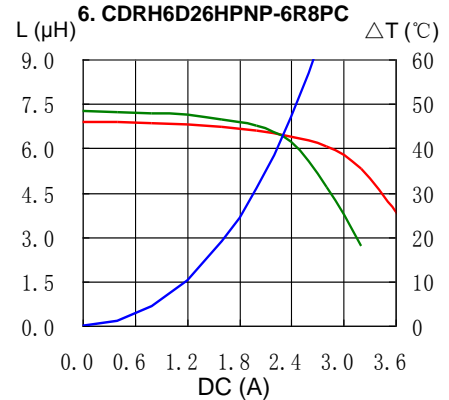
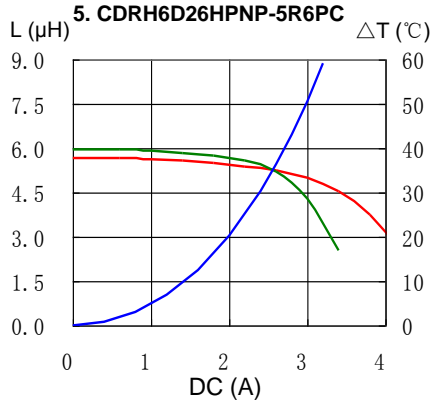
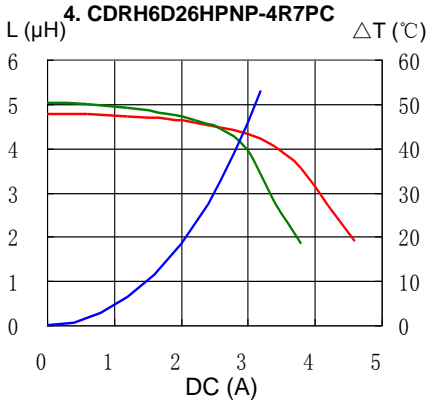
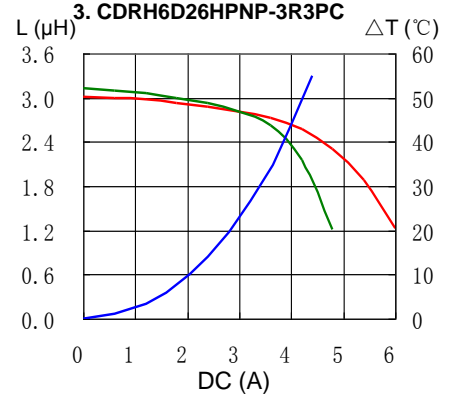
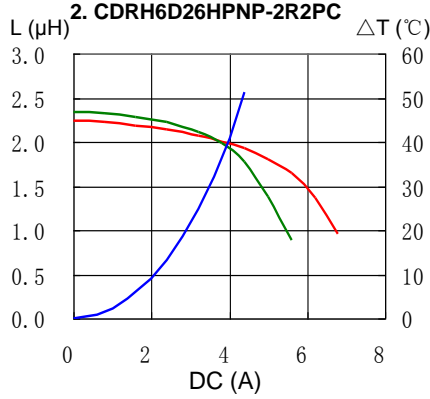
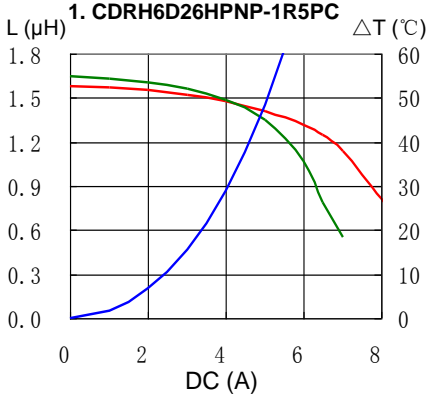
※3. Temperature rise current: The value of D.C. current when the temperature rise is  $\Delta t=40^\circ\text{C}$  ( $T_a=20^\circ\text{C}$ ).

# SMD Power Inductor CDRH6D26/HP



## Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) —  $\Delta T$

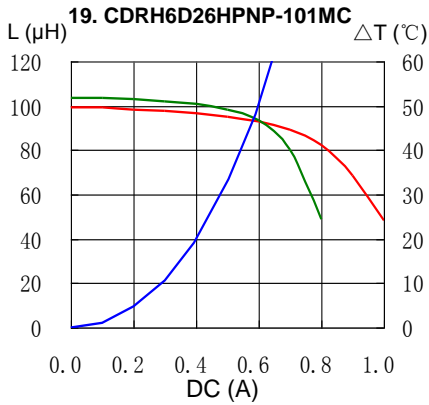
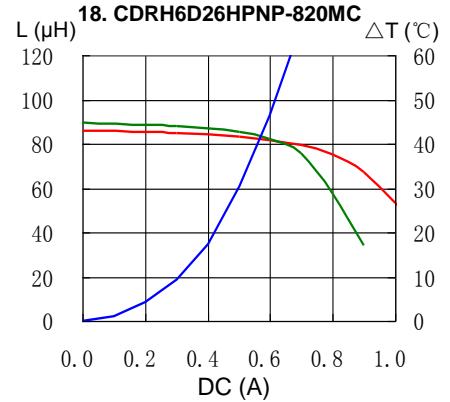
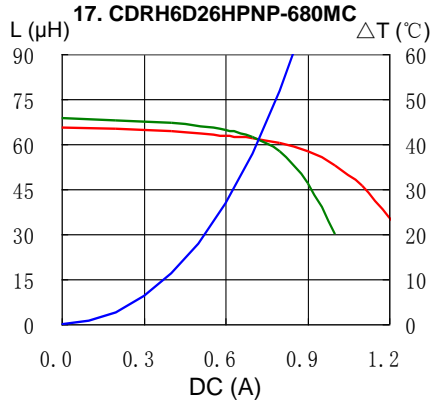
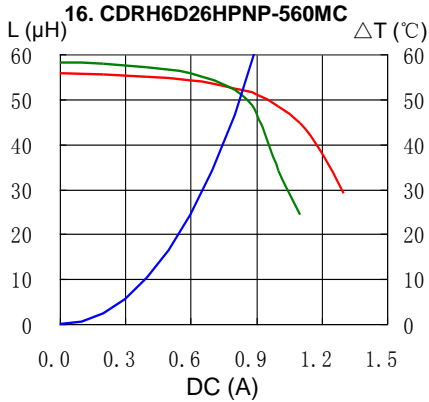
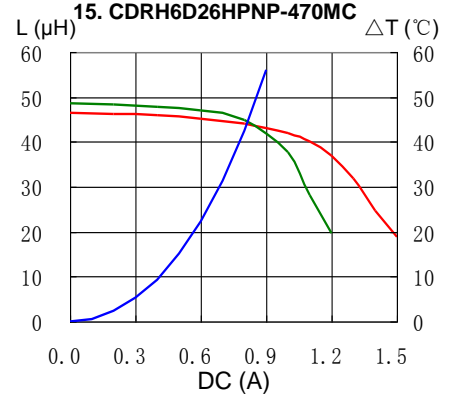
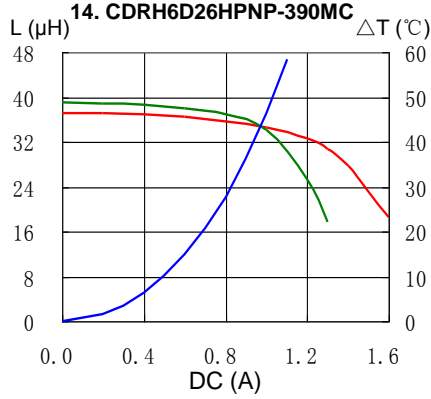
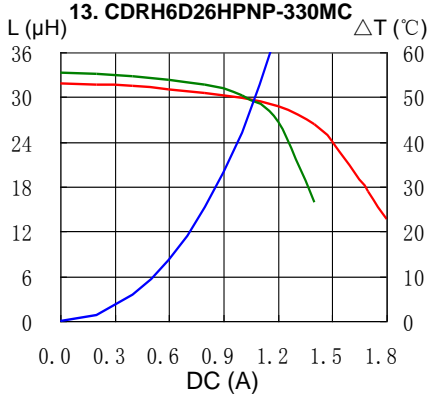


# SMD Power Inductor CDRH6D26/HP



## Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) —  $\Delta T$

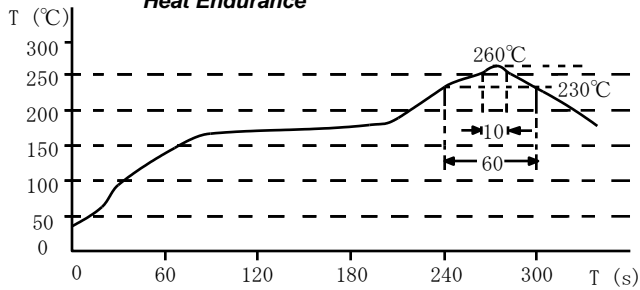


# SMD Power Inductor CDRH6D26/HP

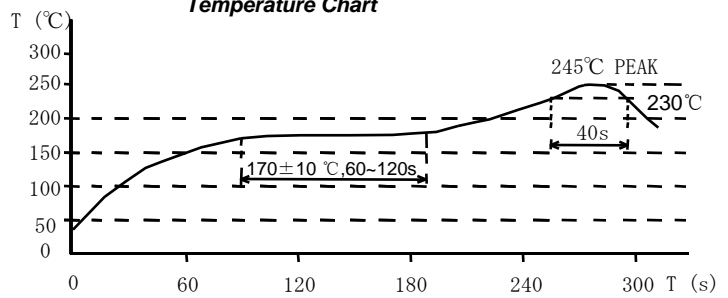


## Solder Reflow Condition

Heat Endurance



Temperature Chart



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### Hong Kong

Tel.+852-2880-6781  
FAX.+852-2565-9600  
[sales@hk.sumida.com](mailto:sales@hk.sumida.com)

### Saitama(Japan)

Tel.+81-48-691-7300  
FAX.+81-48-691-7340  
[sales@jp.sumida.com](mailto:sales@jp.sumida.com)

### Chicago

Tel.+1-847-545-6700  
FAX. +1-847-545-6720  
[sales@us.sumida.com](mailto:sales@us.sumida.com)

### Shanghai

Tel.+86-21-5836-3299  
FAX.+86-21-5836-3266  
[shanghai.sales@cn.sumida.com](mailto:shanghai.sales@cn.sumida.com)

### Seoul

Tel.+82-2-6237-0777  
FAX.+82-2-6237-0778  
[sales@kr.sumida.com](mailto:sales@kr.sumida.com)

### Obernzell

Tel.+49-8591-937-0  
FAX. +49-8591-937-103  
[contact@eu.sumida.com](mailto:contact@eu.sumida.com)

### Shenzhen

Tel.+86-755-8291-0228  
FAX.+86-755-8291-0338  
[shenzhen.sales@cn.sumida.com](mailto:shenzhen.sales@cn.sumida.com)

### Singapore

Tel.+65-6296-3388  
FAX.+65-6841-4426  
[sales@sg.sumida.com](mailto:sales@sg.sumida.com)

### Neumarkt

Tel.+49-9181-4509-110  
FAX. +49-9181-4509-310  
[infocomp@eu.sumida.com](mailto:infocomp@eu.sumida.com)

### Taipei

Tel.+886-2-8751-2737  
FAX.+886-2-8751-2738  
[sales@tw.sumida.com](mailto:sales@tw.sumida.com)

### San Jose

Tel.+1-408-321-9660  
FAX.+1-408-321-9308  
[sales@us.sumida.com](mailto:sales@us.sumida.com)