

Power Choke

JSHC0650 Series

JinLai's proven design and process support high reliability, high thermal characteristics, and high efficiency power chokes for application.

DATA SHEET

Place of origin: Chongqing

目 录

1. Features	4
2. Application	4
3. Part No. Definition	4
4. Appearance and dimensions	4
5. Electrical Characteristics	5
6. Heat rating current VS saturation current curv	7
7. Packaging Specifications	11

5. Electrical Characteristics

Part Number	Inductance	Tolerance	Test Frequency	RDC(m Ω)	Isat(A)	Irms(A)
	(μ H)	(\pm %)	(KHz)	Max(Typical)	Typical(Max)	Typical(Max)
JSHC0650H-R33M-K	0.33	20	100	3(2.7)	45.0(40.5)	25.0(22.5)
JSHC0650H-R47M-K	0.47	20	100	4.5(4.05)	24.0(21.6)	18.0(16.2)
JSHC0650H-R68M-K	0.68	20	100	6.5(5.85)	18.0(16.2)	14.0(12.6)
JSHC0650H-1R0M-K	1.0	20	100	7.5(6.75)	17.0(15.3)	13.0(11.7)
JSHC0650H-1R5M-K	1.5	20	100	11(9.9)	13.0(11.7)	11.0(9.9)
JSHC0650H-2R2M-K	2.2	20	100	15(13.5)	12.0(10.8)	8.0(7.2)
JSHC0650H-3R3M-K	3.3	20	100	20(18)	9.0(8.1)	7.0(6.3)
JSHC0650H-4R7M-K	4.7	20	100	35(31)	9.0(8.1)	6.0(5.4)
JSHC0650H-5R6M-K	5.6	20	100	45(40.5)	9.0(8.1)	6.0(5.4)
JSHC0650H-6R8M-K	6.8	20	100	40(36)	8.0(7.2)	5.0(4.5)
JSHC0650H-8R2M-K	8.2	20	100	45(40.5)	6.0(5.4)	5.0(4.5)
JSHC0650H-100M-K	10	20	100	60(54)	5.5(4.95)	4.5(4.05)
JSHC0650H-150M-K	15	20	100	85(76.5)	5.0(4.5)	3.5(3.15)
JSHC0650H-220M-K	22	20	100	130(117)	3.5(3.15)	2.5(2.25)
JSHC0650H-330M-K	33	20	100	160(144)	2.5(2.25)	2.0(1.8)
JSHC0650H-470M-K	47	20	100	230(207)	2.5(2.25)	2.3(2.07)
JSHC0650H-680M-K	68	20	100	400(360)	2.0(1.8)	1.5(1.35)

Note: When ordering, please specify tolerance code. Tolerance: M \pm 20%

- All data is tested on 25 $^{\circ}$ C ambient temperature.
- Inductance is tested at 100kHz, 1.0V.
- Heat rating current: The value of DC current when product temperature rise is $\Delta T40^{\circ}$ C ($T_a=25^{\circ}$ C).
- Saturation current: The value of DC current when the inductance decreases approximately 30% of its.

Special remind: Circuit design, component placement, frequency, cooling system and etc.
all will affect the product temperature. Please verify the actual product temperature in the final application.

Part Number	Inductance	Tolerance	Test Frequency	RDC(m Ω)	Isat(A)	Irms(A)
	(μ H)	(\pm %)	(KHz)	Max(Typical)	Typical(Max)	Typical(Max)
JSHC0650H-R22M-GT	0.22	20	100	3.5(3.15)	45.0(40.5)	20.0(18)
JSHC0650H-1R0M-GT	1.0	20	100	7.5(6.75)	19.0(17.1)	14.0(12.6)
JSHC0650H-1R5M-GT	1.5	20	100	8(7.2)	12.0(10.8)	11.0(9.9)
JSHC0650H-2R2M-GT	2.2	20	100	13(11.7)	15.0(13.5)	11.0(9.9)
JSHC0650H-3R3M-GT	3.3	20	100	20.9(18.81)	9.0(8.1)	7.0(6.3)
JSHC0650H-4R7M-GT	4.7	20	100	25(22.5)	7.0(6.3)	6.0(5.4)
JSHC0650H-150M-GT	15	20	100	85(76.5)	5.0(4.5)	3.0(2.7)

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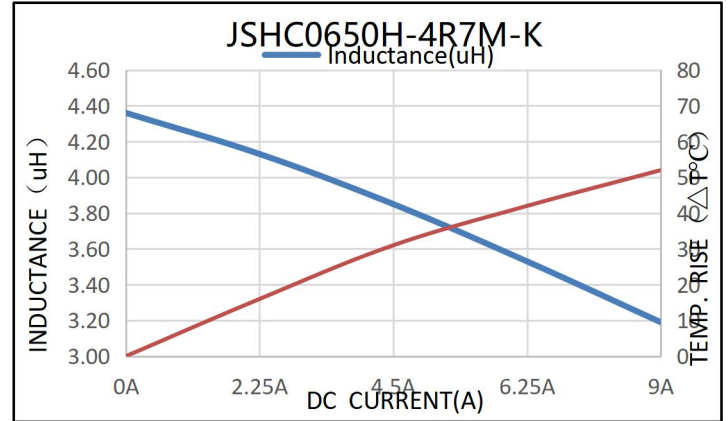
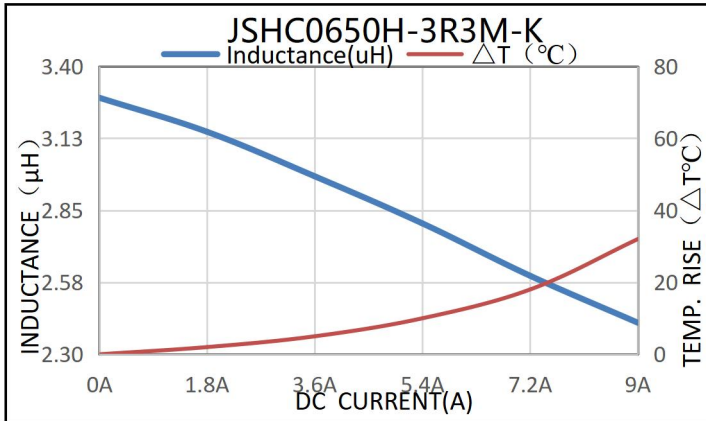
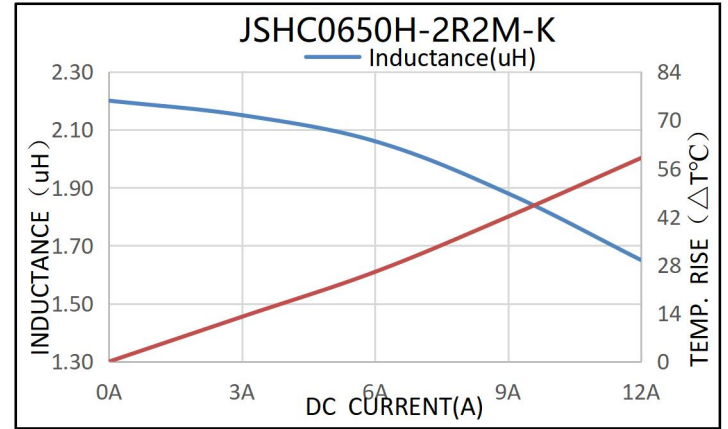
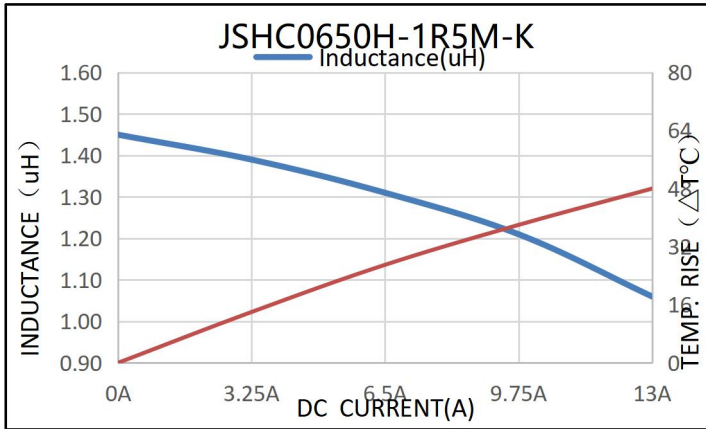
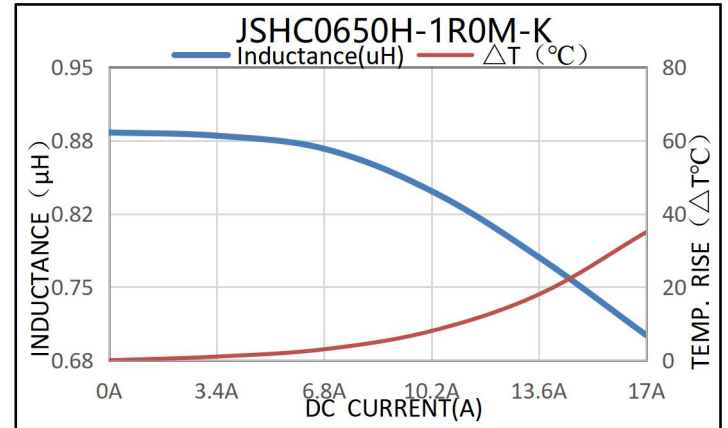
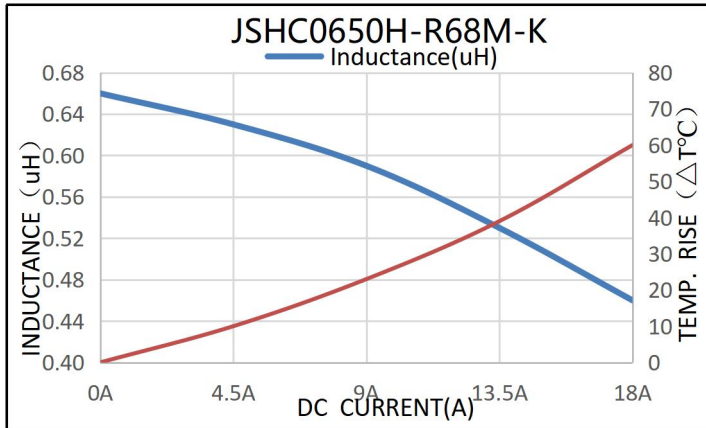
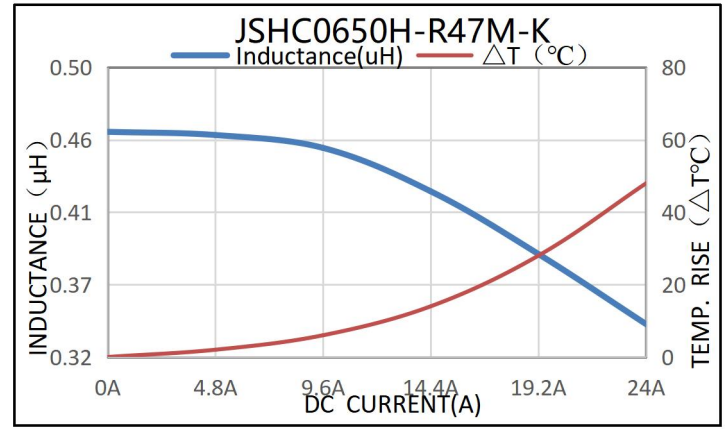
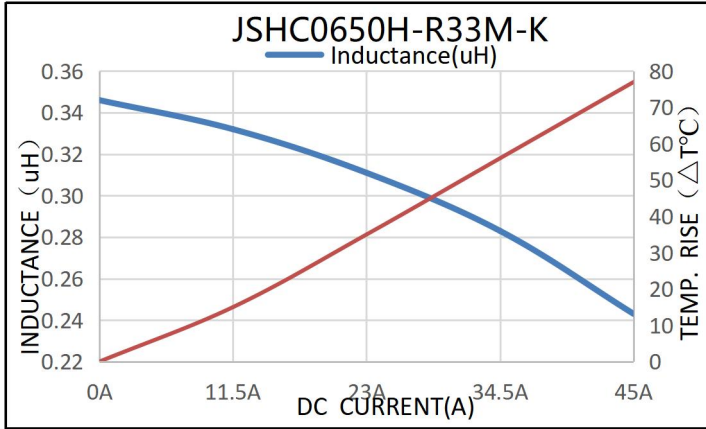
Part Number	Inductance	Tolerance	Test Frequency	RDC(m Ω)	Isat(A)	Irms(A)
	(μ H)	(\pm %)	(KHz)	Max(Typical)	Typical(Max)	Typical(Max)
JSHC0650H-6R8M-GH	6.8	20	100	60(54)	6.0(5.4)	5.0(4.5)
JSHC0650H-100M-GH	10	20	100	75(67.5)	5.3(4.77)	4.5(4.05)
JSHC0650H-150M-GH	15	20	100	85(76.5)	5.0(4.5)	3.0(2.7)
JSHC0650H-220M-GH	22	20	100	85(76.5)	4.0(3.6)	3.0(2.7)
JSHC0650H-330M-GH	33	20	100	155(139.5)	4.0(3.6)	2.0(1.8)
JSHC0650H-470M-GH	47	20	100	220(198)	2.0(1.8)	1.5(1.35)
JSHC0650H-680M-GH	68	20	100	280(252)	1.8(1.62)	1.3(1.17)

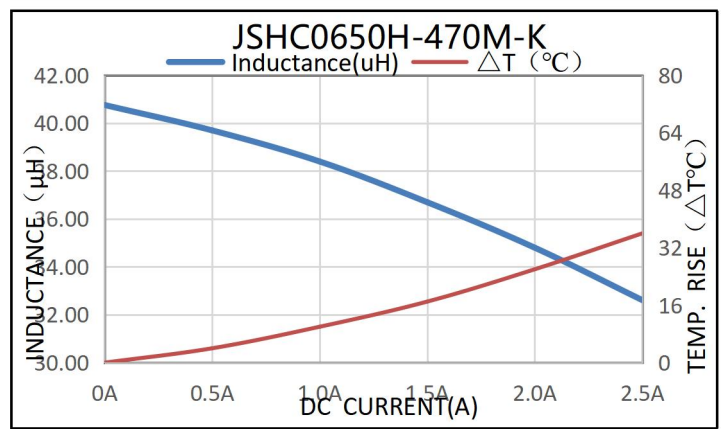
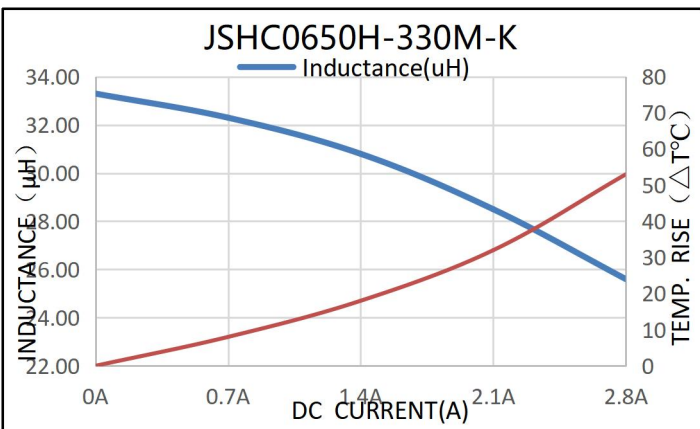
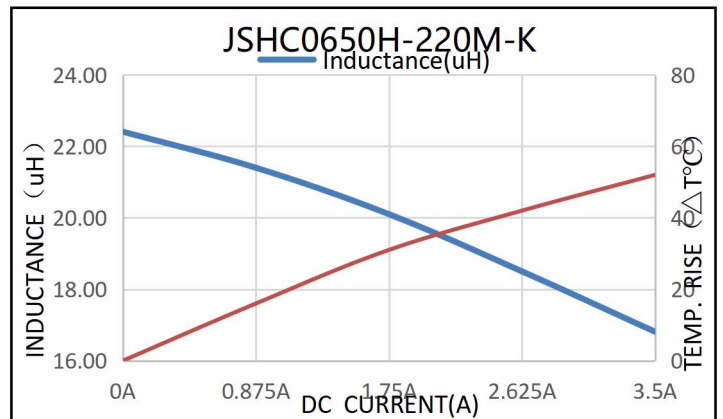
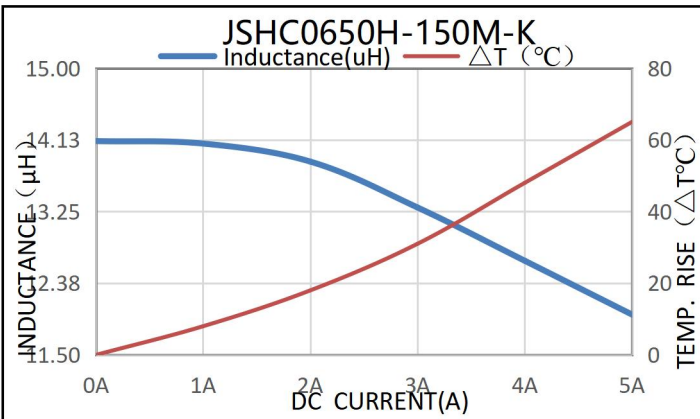
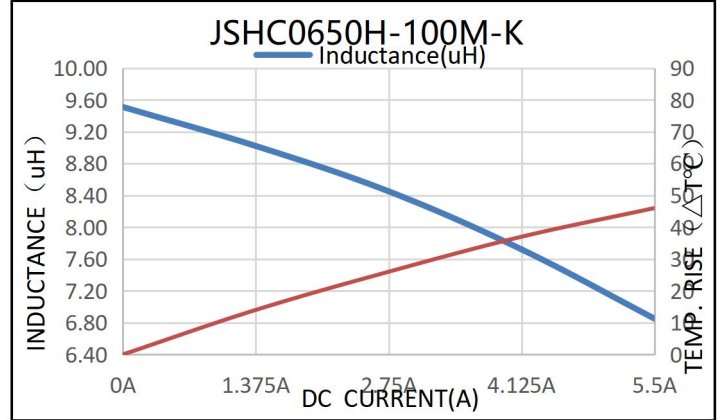
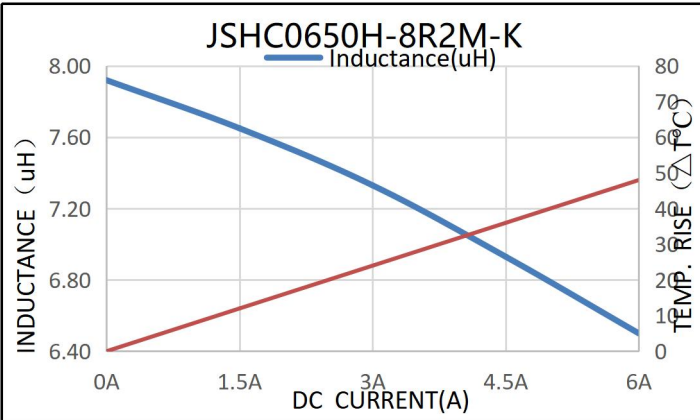
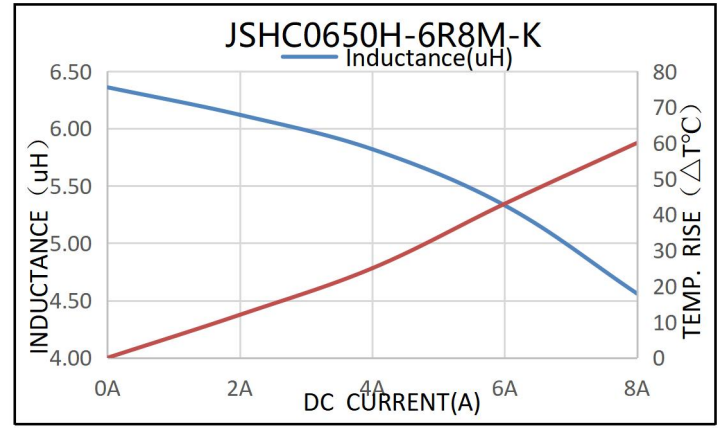
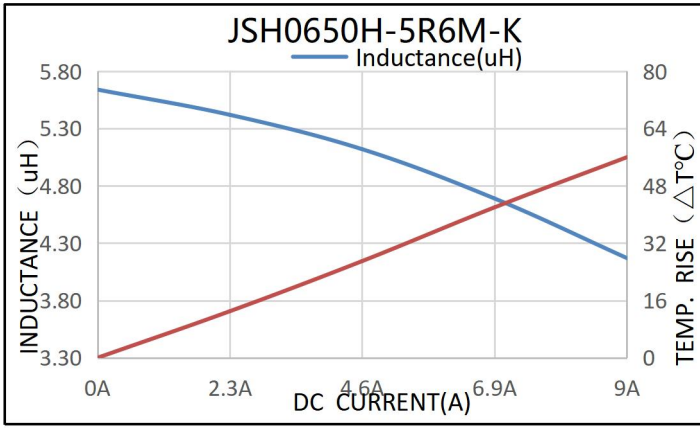
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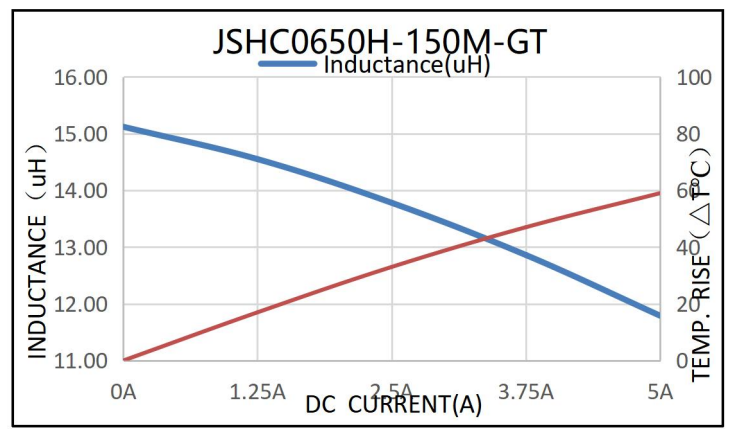
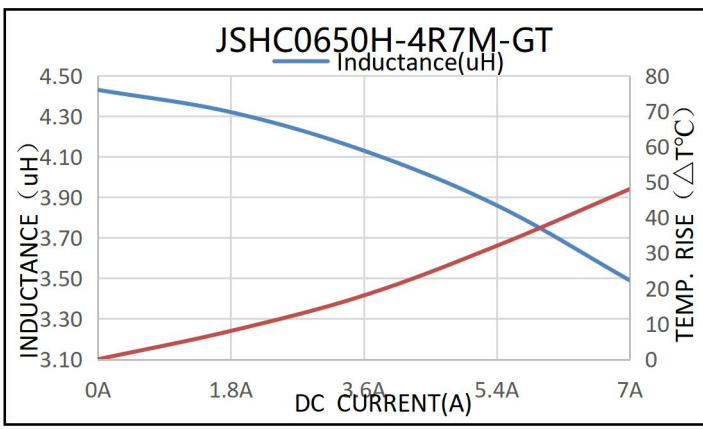
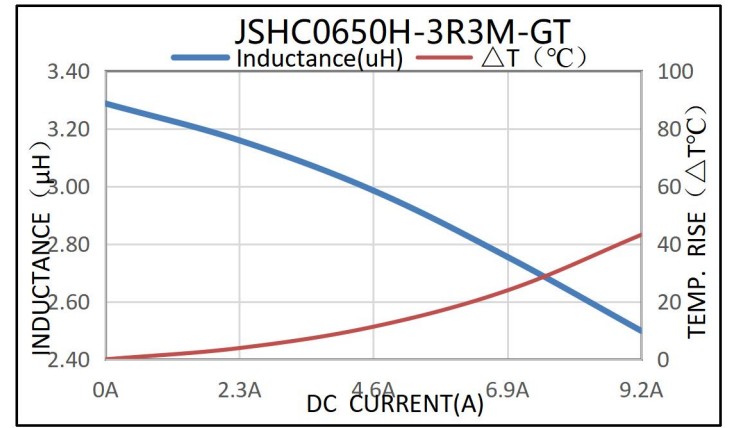
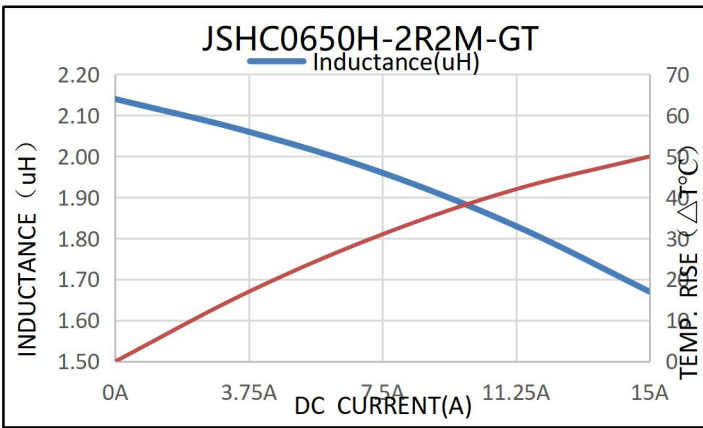
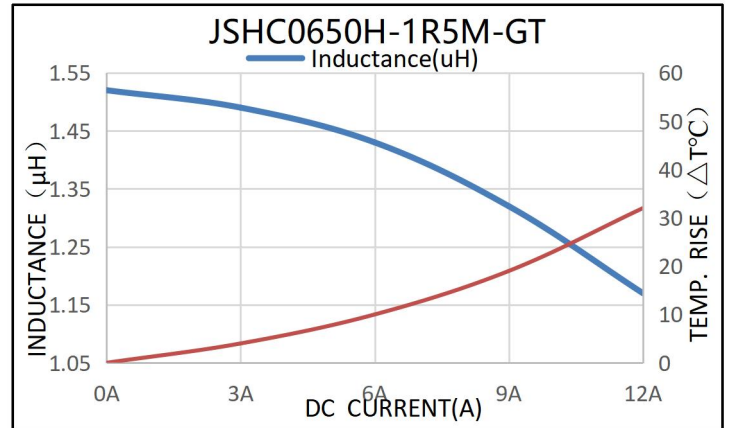
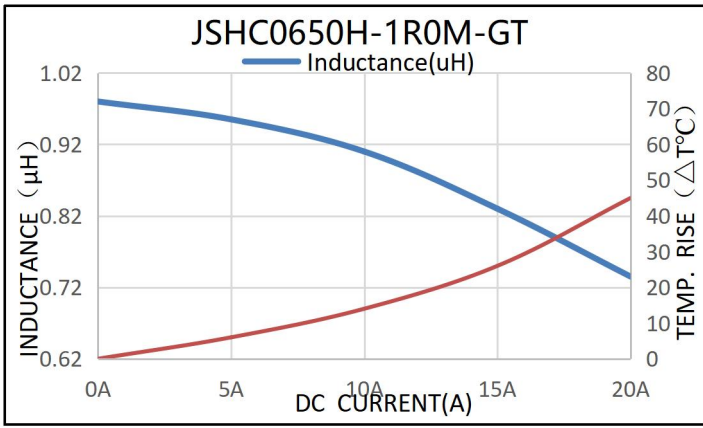
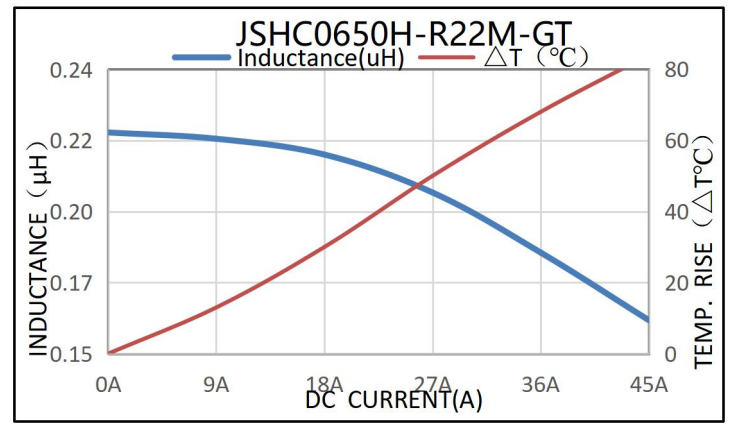
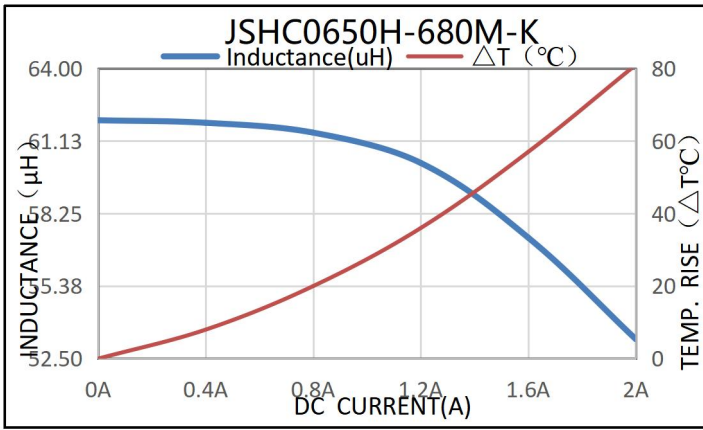
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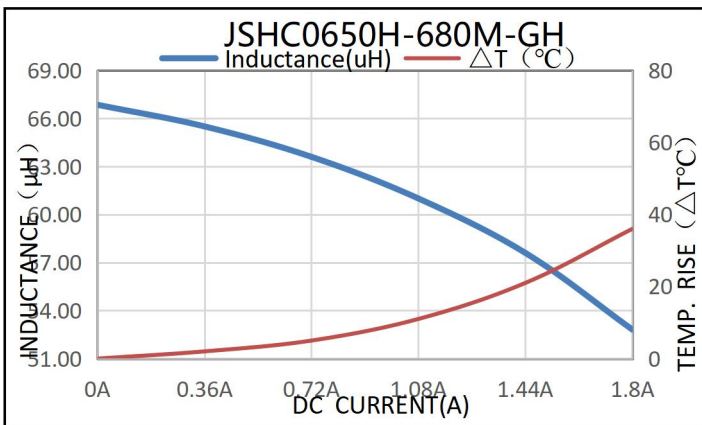
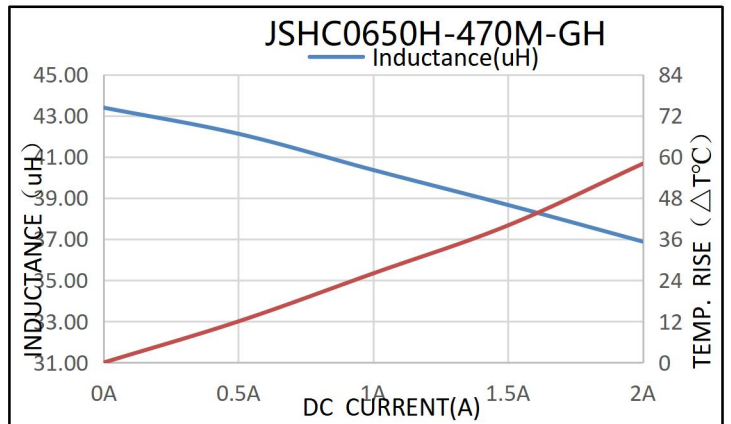
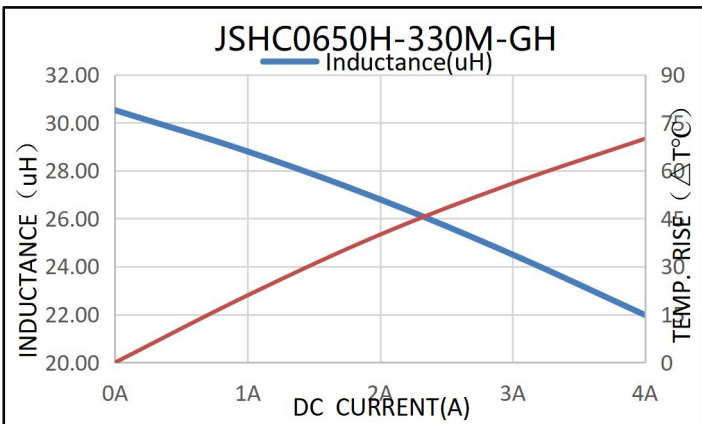
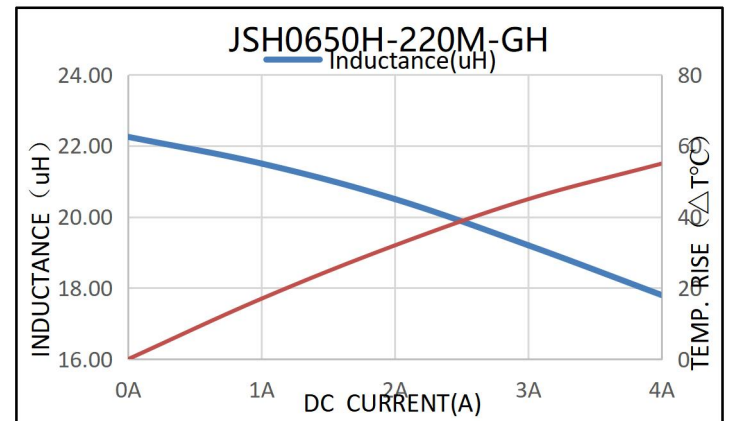
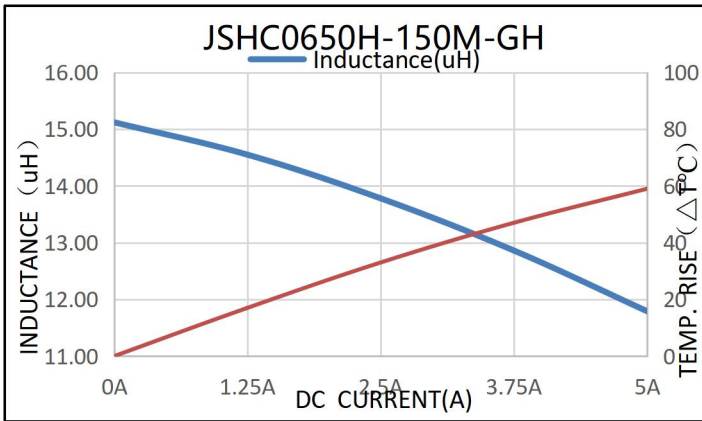
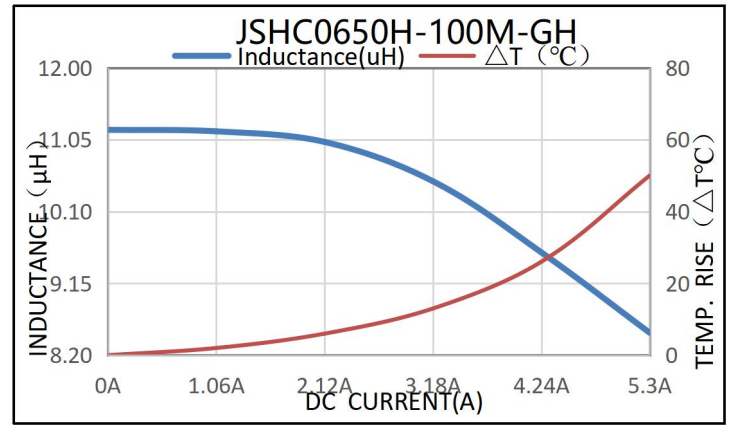
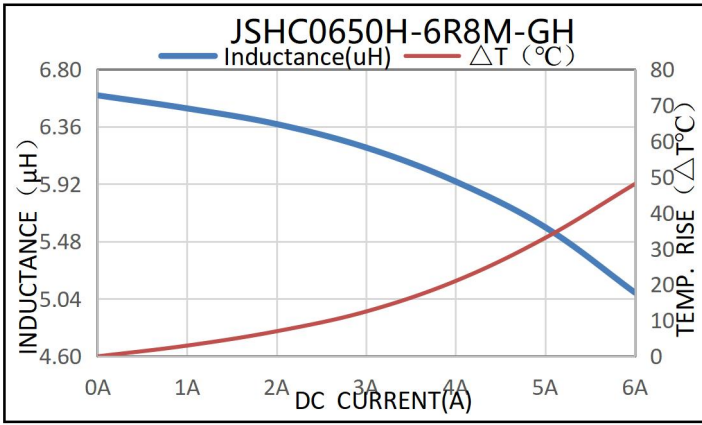
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6.Heat rating current VS saturation current curv





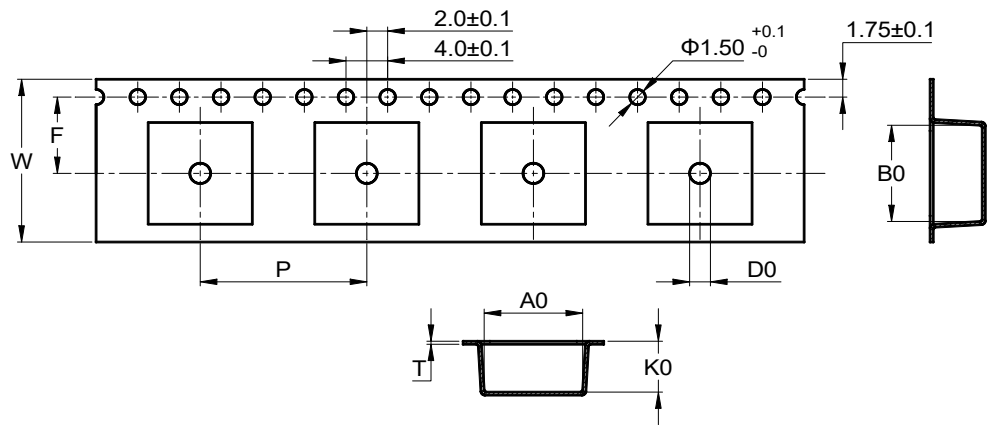




7.Packaging Specifications

Carrier tape dimensions

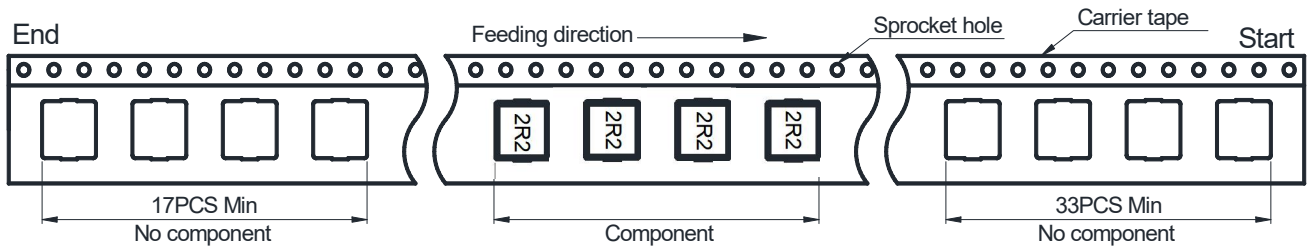
A0	7.30±0.1
B0	8.50±0.1
K0	5.50±0.1
W	16.0±0.3
P	12.0±0.1
F	7.50±0.1
T	0.35±0.05
D0	1.5±0.10



※ 包装参照国际标准 IEC 60286-3。

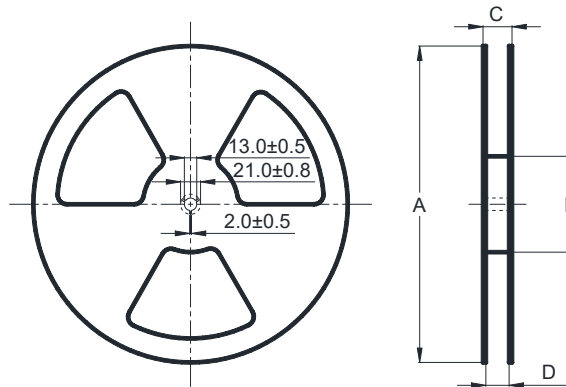
Packaging is referred to the international standard IEC 60286-3.

Packaging direction

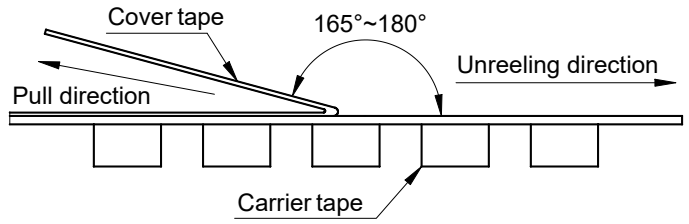
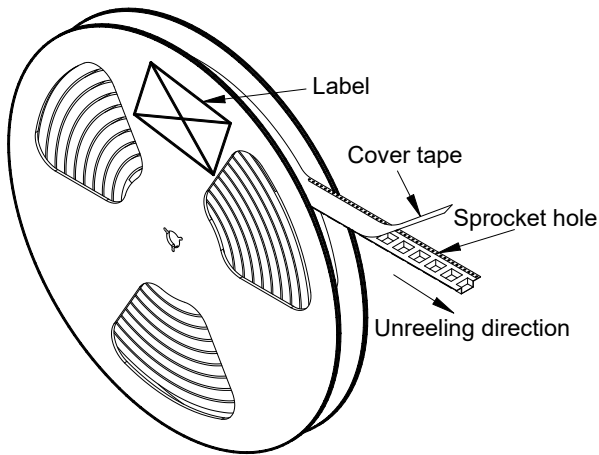


Reel dimensions

A	330 ± 2.0
B	100 Min
C	20.0Max
D	16.5 Min



Cover tape peel-off condition



※ 盖带剥离力度为 0.1~1.3N.

Cover tape peel-off force will be 0.1 to 1.3N.

※ 参考剥离速度 300±10mm/分钟。

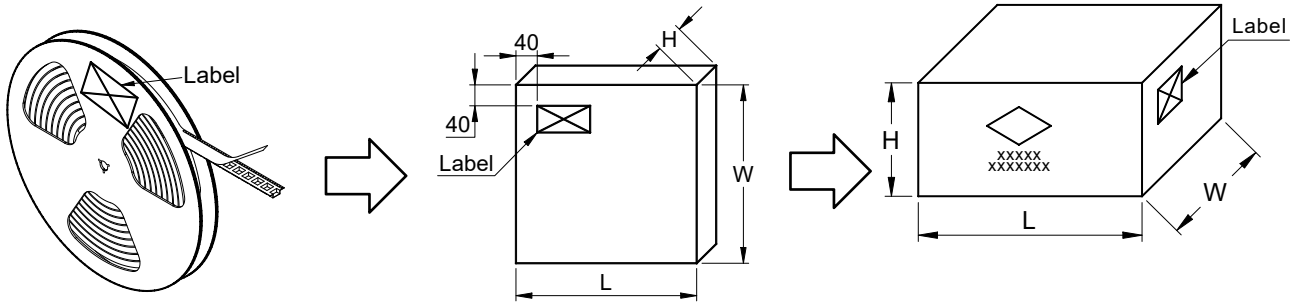
Reference peel-off speed 300±10mm/min.

Carton dimensions and packaging quantity

卷盘
Reel

内箱
Inner carton

外箱
Out carton



■ 内包装箱(L×W×H): 340×340×52mm
Inner Carton

■ 外包装箱(L×W×H): 354×354×176mm
Out Carton

SHC0650	每盘 包装数量 Per Reel Quaty	内箱 包装数量 Inner Carton Quaty	外箱 包装数量 Out Carton Quaty
	1,000 pcs	(1,000×2) = 2,000 pcs	(2,000×3) = 6,000 pcs