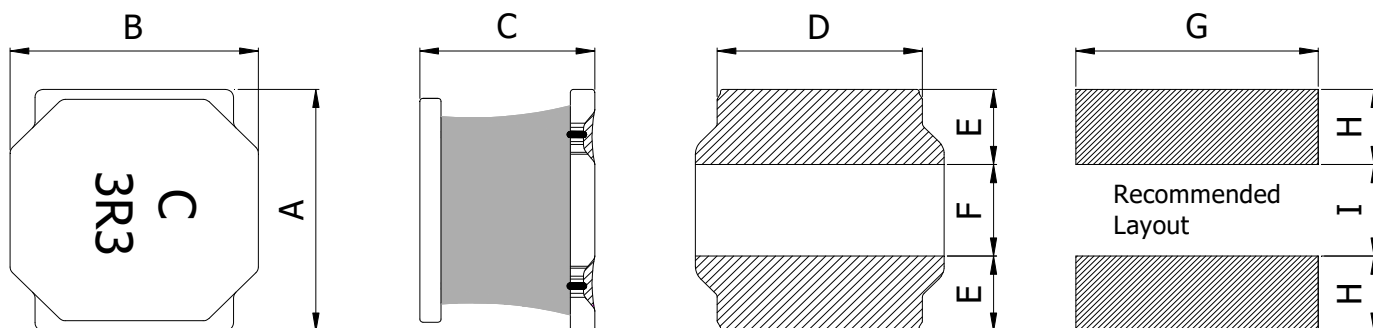


Features

- Magnetic-resin shielded construction
- Storage temperature range:-40°C to + 125°C
- Operating temperature range:-40°C to + 125°C
(including coil's self-temperature rise)
- Moisture sensitivity level:1
- Packaging:800pcs. Per 13-inch reel
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G	H	I
6.0±0.3	6.0±0.3	5.5±0.3	4.9±0.2	1.55	2.9	5.7	1.7	2.8

Part Number Description

SP06 - 060055 3R3 M
① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic

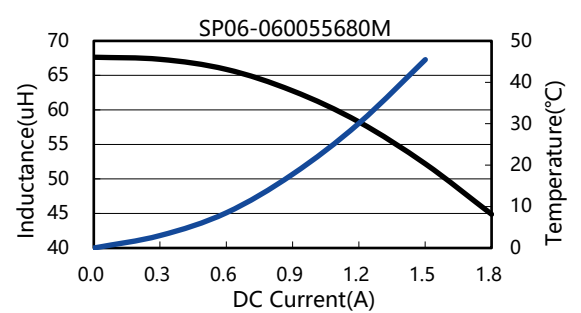
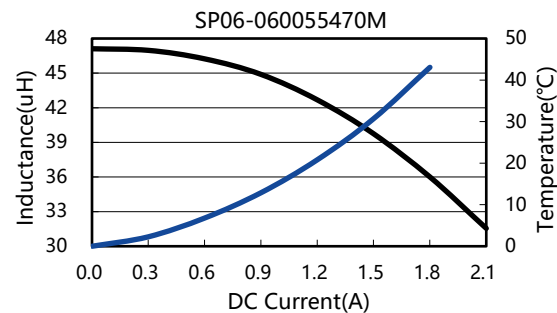
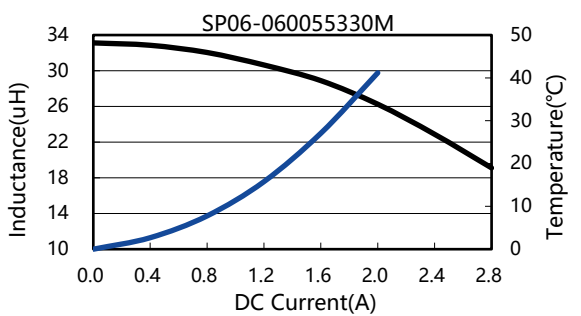
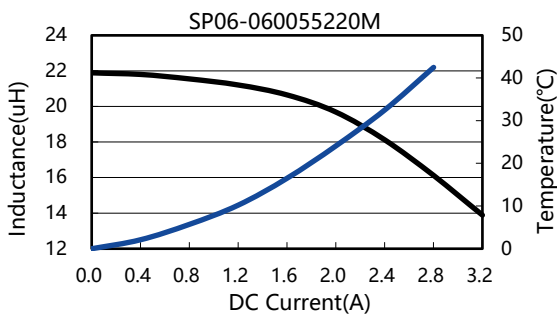
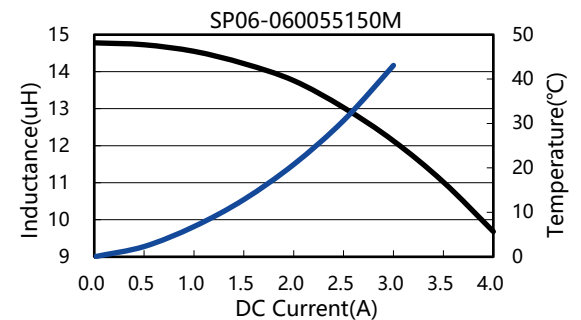
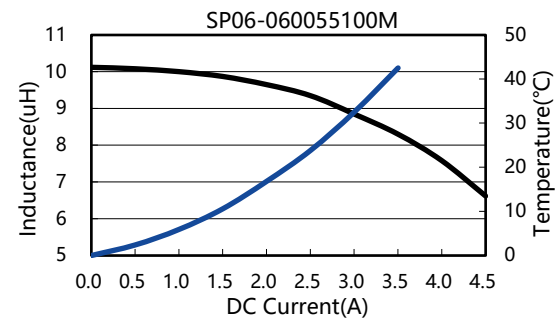
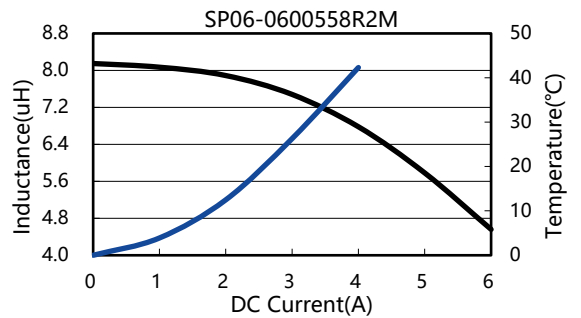
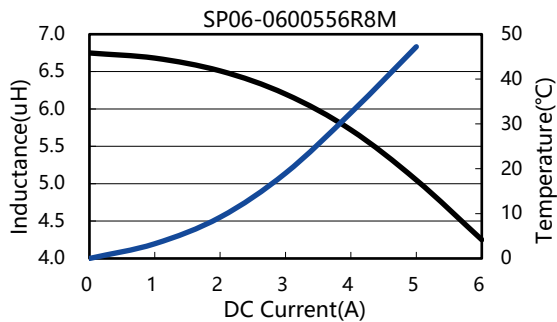
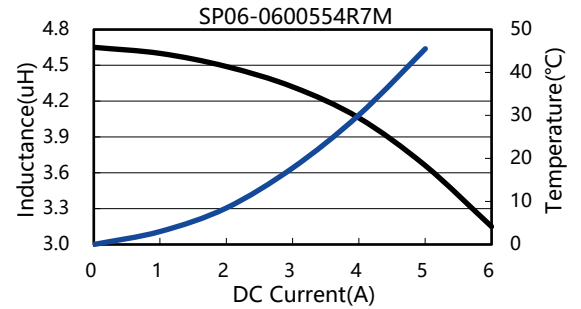
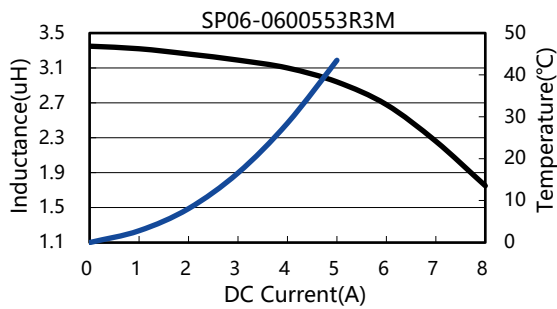


Electrical Characteristic

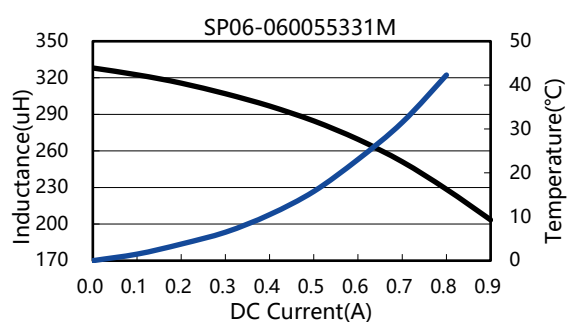
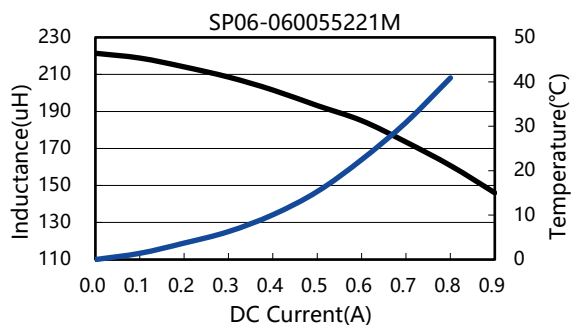
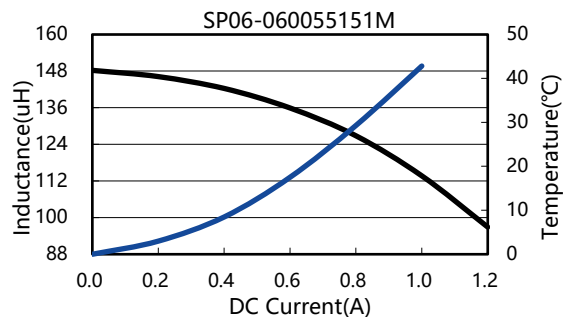
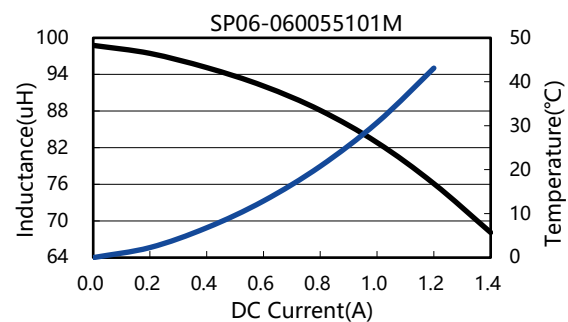
Part Number	Inductance L0(uH)	DCR (mΩ)Max.	Isat (A)Typ.	Irms (A)Typ.	SRF (MHz)Typ.
SP06-0600553R3M	3.3±20%	26	6.00	4.60	32
SP06-0600554R7M	4.7±20%	31	5.00	4.25	24
SP06-0600556R8M	6.8±20%	34	4.50	4.10	20
SP06-0600558R2M	8.2±20%	49	4.30	3.50	21
SP06-060055100M	10±20%	54	3.70	3.20	15
SP06-060055150M	15±20%	74	3.30	2.75	12
SP06-060055220M	22±20%	100	2.60	2.35	10
SP06-060055330M	33±20%	170	2.00	1.80	7.8
SP06-060055470M	47±20%	252	1.70	1.50	6.8
SP06-060055680M	68±20%	353	1.40	1.25	6.4
SP06-060055101M	100±20%	434	1.10	1.10	4.5
SP06-060055151M	150±20%	686	0.90	0.90	4.2
SP06-060055221M	220±20%	1036	0.74	0.72	3.5
SP06-060055331M	330±20%	1603	0.65	0.60	2.8

- Test frequency and voltage:100KHz,1Vrms.
- All test data referenced to 25°C ambient.
- Saturation current(Isat) will cause L0 to drop 30% typical.
- Heat rated current(Irms) will cause the coil temperature rise approximately Δt of 40°C.

Characteristic Curve (Typical value)

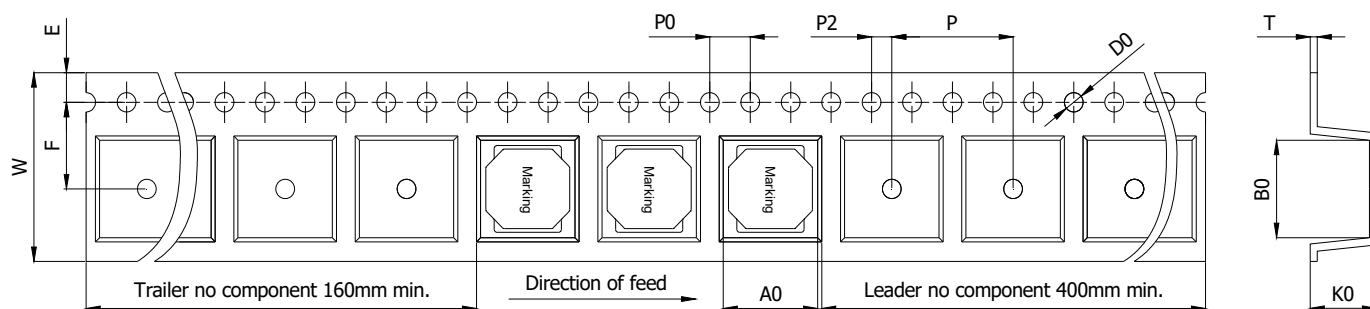


Characteristic Curve (Typical value)



Packaging Specification

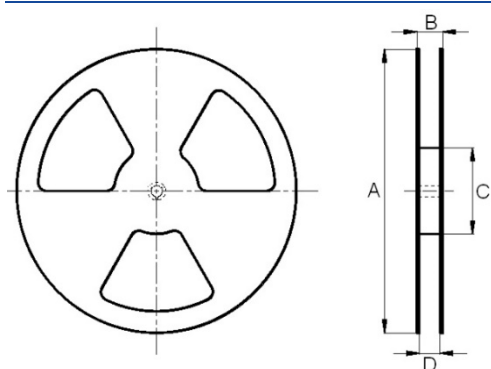
■ Carrier Tape (Unit:mm)



W	P	A0	B0	K0	E	F	P0	P2	D0	T
16.0±0.3	8.0±0.1	6.4±0.1	6.4±0.1	5.7±0.1	1.75±0.1	7.5±0.1	4.0±0.1	2.0±0.1	Φ1.5±0.1	0.4±0.05

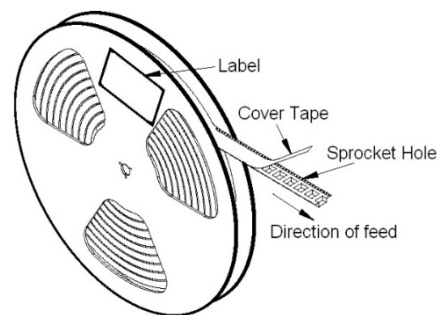
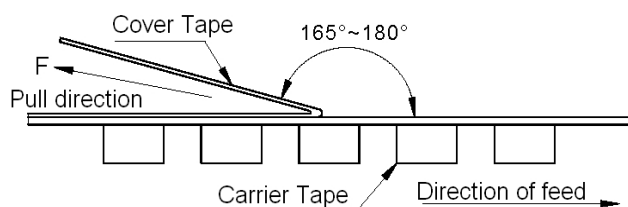
■ Reel (Unit:mm)

A	B	C	D
Φ330±1.0	22.1Max.	Φ100±1.0	16.5±0.5



■ Taping Method

Peel-off strength	Peel-off angle	Peel-off speed
F=0.1N~1.3N	165°~180°	300mm/min.



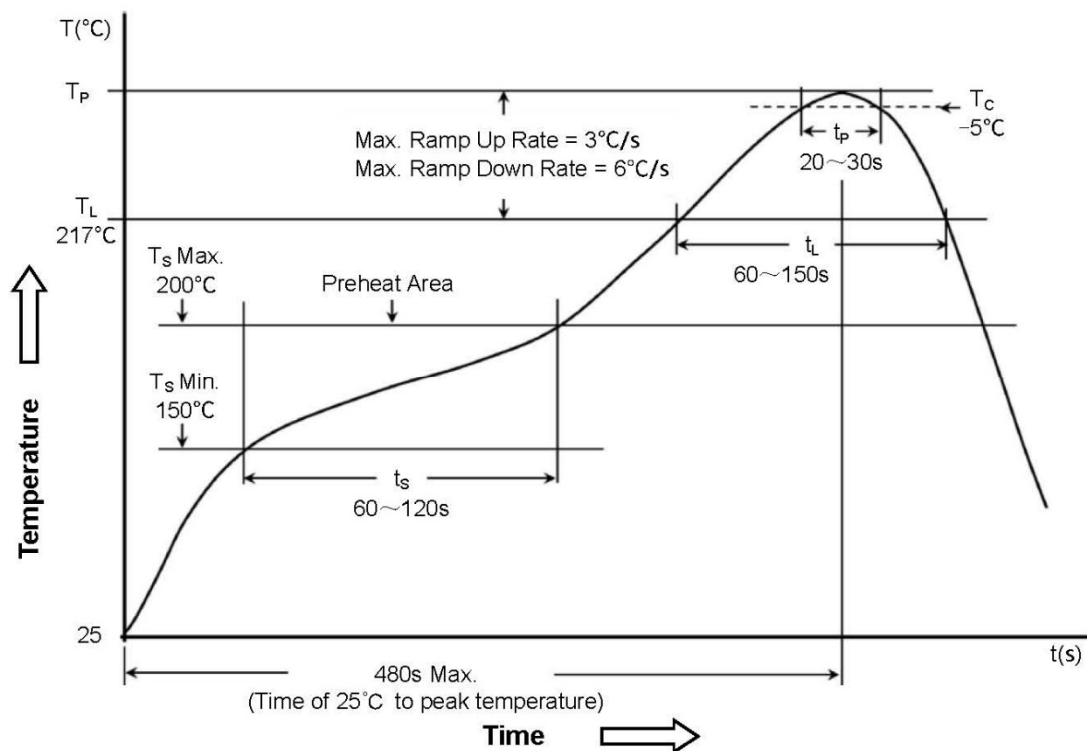
※ The allowable number of empty chip cavities Maximum two (2) chip cavities missing product may exist in a reel but they may not be consecutive two cavities.

■ Package Quantity

Parts per reel
800Pcs

Soldering Specification

- Reflow profile for SMT components



- Classification of peak package body temperature (Tp)

	Package Thickness	Package Volume		
		<350mm ³	350~2000mm ³	>2000mm ³
PB-Free Assembly	<1.6mm	260°C	260°C	260°C
	1.6~2.5mm	260°C	250°C	245°C
	≥2.5mm	250°C	245°C	245°C