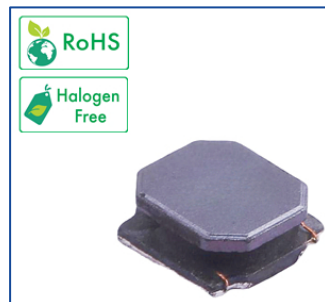
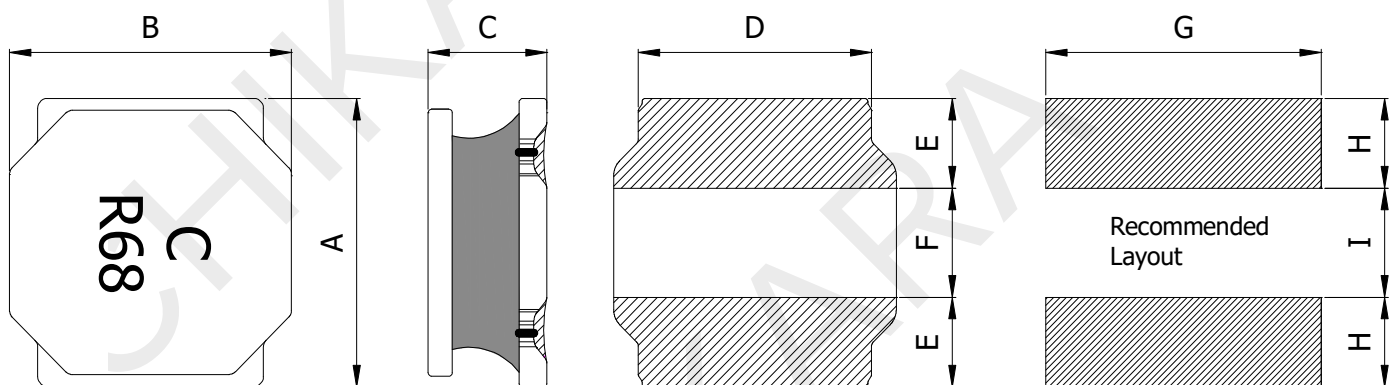


Features

- 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:2500pcs. 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	2.0Max.	4.9±0.3	1.55±0.3	2.9±0.3	5.7	1.7	2.8

Part Number Description

SP06 - 060020 R68 N
① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic

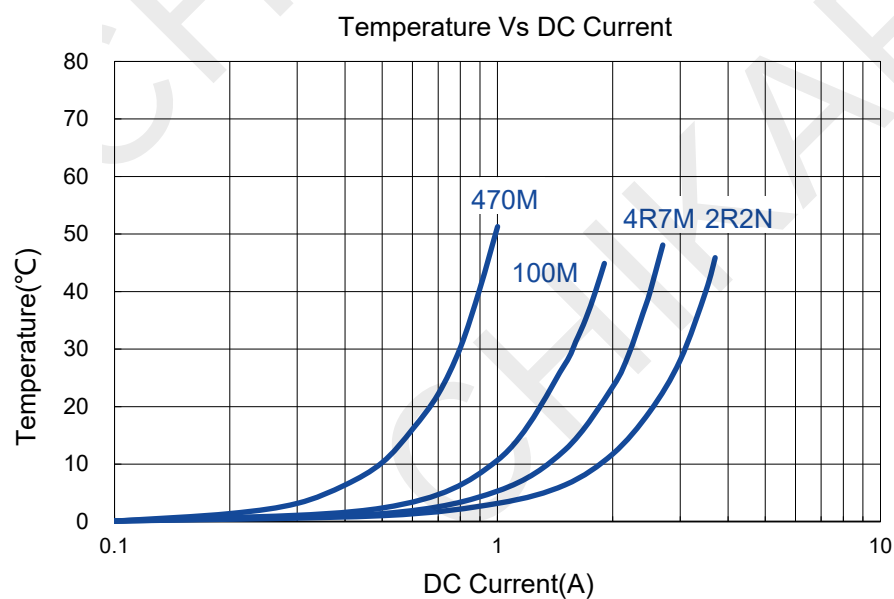
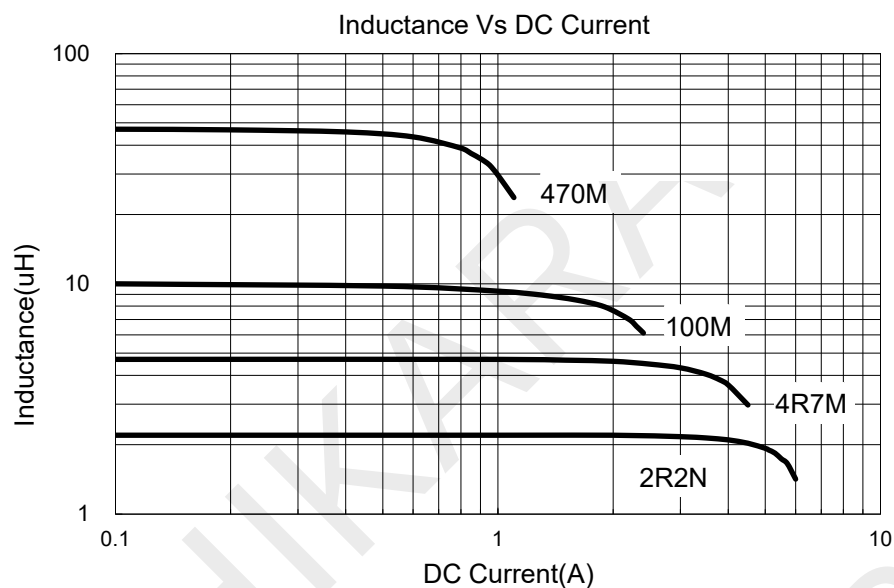


Electrical Characteristic

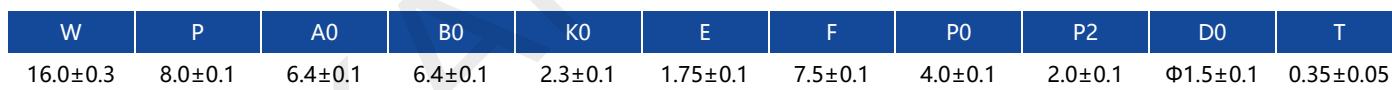
Part Number	Inductance L0(μH)	DCR (Ω)±30%	Isat		Irms		SRF (MHz)Min.
			(A)Max.	(A)Typ.	(A)Max.	(A)Typ.	
SP06-060020R68N	0.68±30%	0.017	6.55	7.80	3.80	4.80	115
SP06-060020R82N	0.82±30%	0.017	5.30	6.30	3.80	4.80	110
SP06-0600201R0N	1.0±30%	0.020	4.15	5.00	3.50	4.40	100
SP06-0600201R2N	1.2±30%	0.022	5.90	7.00	3.20	4.00	88
SP06-0600201R5N	1.5±30%	0.022	4.25	5.10	3.20	4.00	79
SP06-0600201R8N	1.8±30%	0.028	4.85	5.80	2.75	3.50	68
SP06-0600202R0N	2.0±30%	0.035	4.10	4.90	2.60	3.30	65
SP06-0600202R2N	2.2±30%	0.028	3.75	4.50	2.75	3.50	61
SP06-0600202R7N	2.7±30%	0.035	3.90	4.60	2.60	3.30	56
SP06-0600203R3M	3.3±20%	0.035	3.15	3.70	2.60	3.30	51
SP06-0600203R9M	3.9±20%	0.049	3.25	3.90	2.10	2.60	45
SP06-0600204R7M	4.7±20%	0.058	3.00	3.60	2.00	2.50	41
SP06-0600205R6M	5.6±20%	0.058	2.40	2.90	1.90	2.40	36
SP06-0600206R8M	6.8±20%	0.079	2.20	2.60	1.80	2.30	31
SP06-0600208R2M	8.2±20%	0.105	2.10	2.50	1.40	1.80	27
SP06-060020100M	10±20%	0.105	1.75	2.10	1.40	1.80	27
SP06-060020120M	12±20%	0.120	1.45	1.70	1.30	1.60	25
SP06-060020150M	15±20%	0.145	1.20	1.40	1.20	1.50	21
SP06-060020180M	18±20%	0.180	1.20	1.40	1.08	1.40	18
SP06-060020220M	22±20%	0.204	1.05	1.20	1.00	1.30	16
SP06-060020330M	33±20%	0.300	0.95	1.10	0.84	1.05	11
SP06-060020470M	47±20%	0.430	0.70	0.90	0.80	0.90	10

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

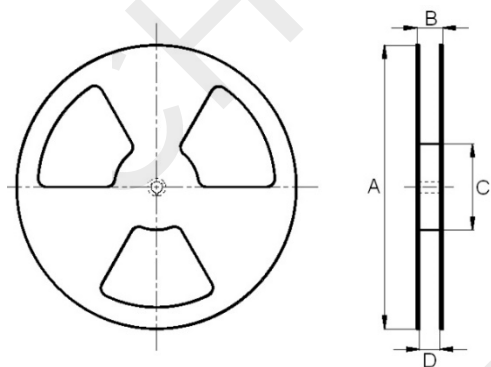
Characteristic Curve (Typical value)



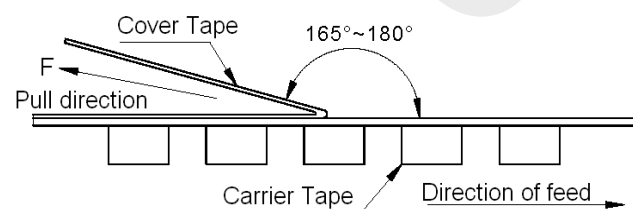
- Carrier Tape (Unit:mm)



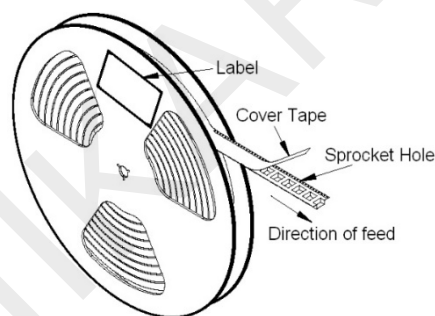
A	B	C	D
$\Phi 330 \pm 1.0$	22.1Max.	$\Phi 100 \pm 1.0$	16.5 ± 0.5



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



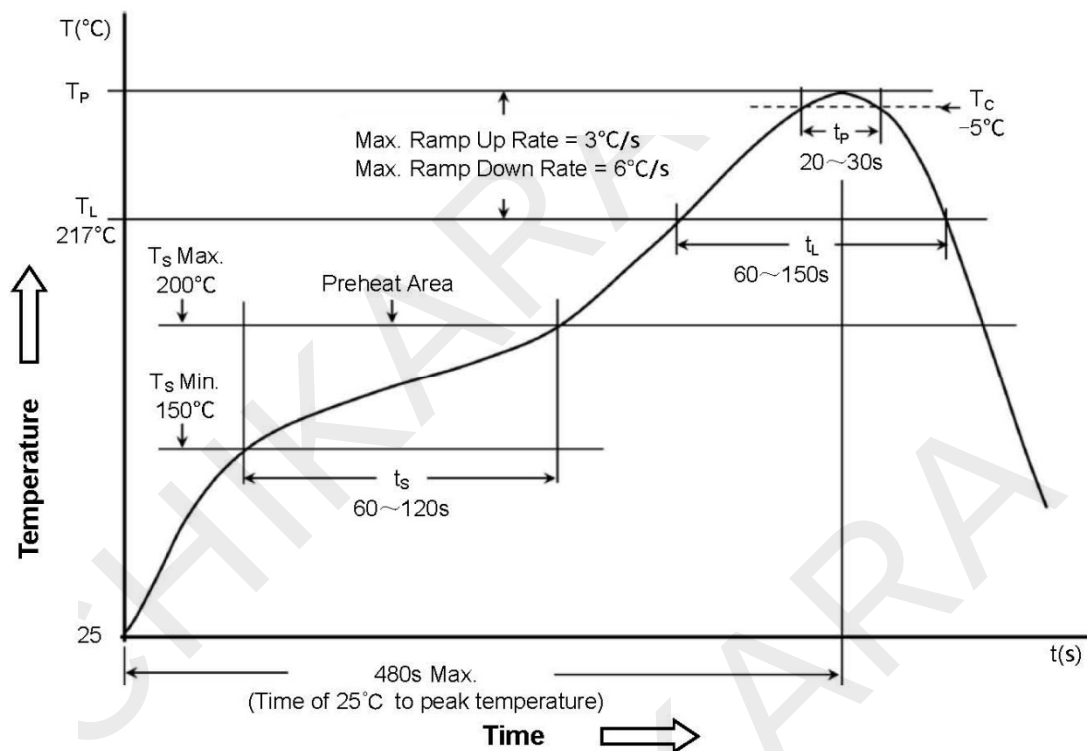
✖ Packing is referred to the international standard IEC 60286-3.



Parts per reel
2500Pcs

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

※ Reflow is referred to standard IPC/JEDEC J-STD-020D.