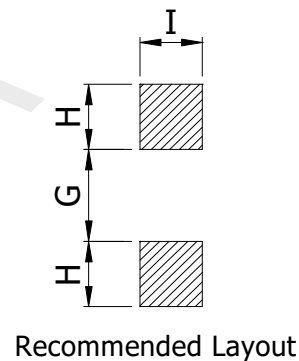
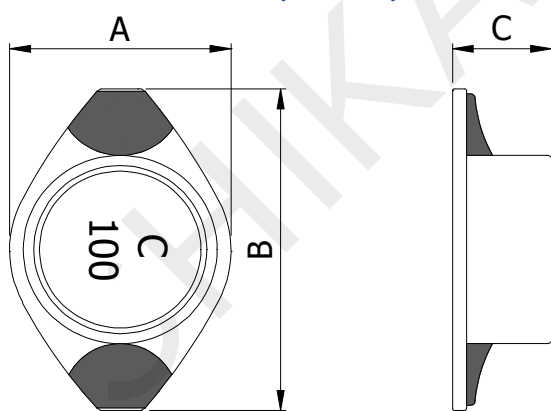


Features

- Magnetically 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:350pcs. Per 13-inch reel
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G	H	I
18.54Max.	15.24Max.	7.62Max.	12.7±0.3	2.54±0.2	2.54±0.2	12.45	2.92	2.79

Part Number Description

SP11 - 185076 100 M
① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic

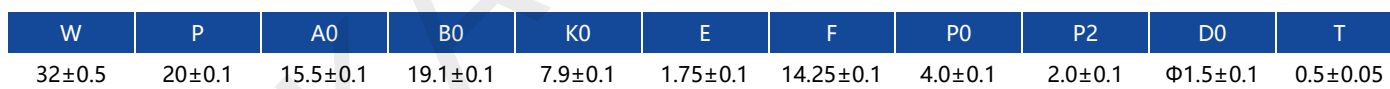


Electrical Characteristic

Part Number	Inductance L0(uH)	SRF (MHz)Typ.	DCR (Ω)Max.	Isat (A)Max.	Irms (A)Max.
SP11-185076100M	10±20%	30	0.040	8.00	3.90
SP11-185076150M	15±20%	20	0.048	7.00	3.50
SP11-185076220M	22±20%	18	0.059	6.00	3.40
SP11-185076330M	33±20%	14	0.075	5.00	2.90
SP11-185076470M	47±20%	10	0.097	4.00	2.80
SP11-185076680M	68±20%	9.0	0.138	3.00	2.20
SP11-185076101M	100±20%	7.0	0.207	2.40	1.70
SP11-185076151K	150±10%	6.0	0.293	2.10	1.30
SP11-185076221K	220±10%	5.0	0.470	1.90	1.20
SP11-185076331K	330±10%	4.0	0.780	1.20	0.90
SP11-185076471K	470±10%	3.0	1.080	1.10	0.80
SP11-185076681K	680±10%	2.5	1.400	0.96	0.70
SP11-185076102K	1000±10%	2.0	2.010	0.80	0.60

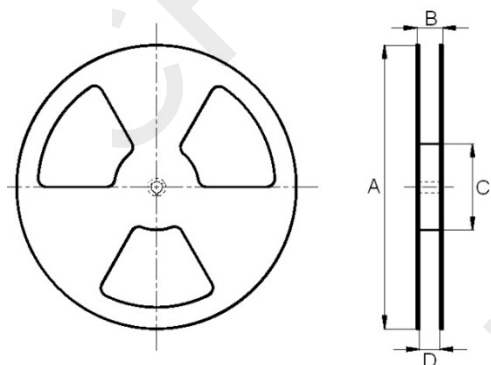
- Test frequency and voltage:100KHz,0.1Vrms.
- All test data referenced to 25°C ambient.
- Saturation current(Isat) will cause L0 to drop approximately 10%.
- Heat rated current(Irms) will cause the coil temperature rise approximately Δt of 40°C.

- Carrier Tape (Unit:mm)



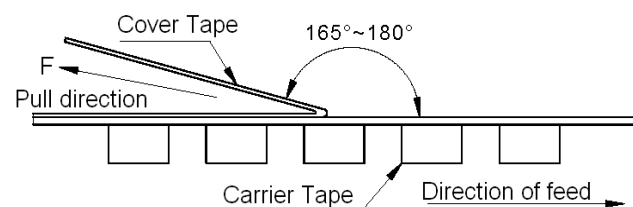
- Reel (Unit:mm)

A	B	C	D
$\Phi 330 \pm 1.0$	38.1Max.	$\Phi 100 \pm 1.0$	33 ± 0.5

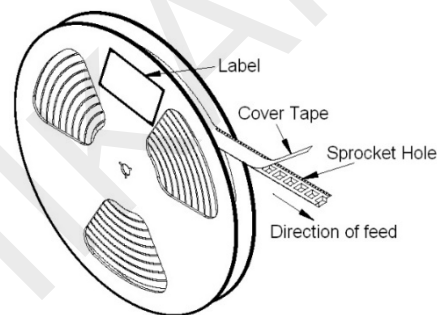


- Taping Method

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.



- Package Quantity

Parts per reel
350Pcs

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.