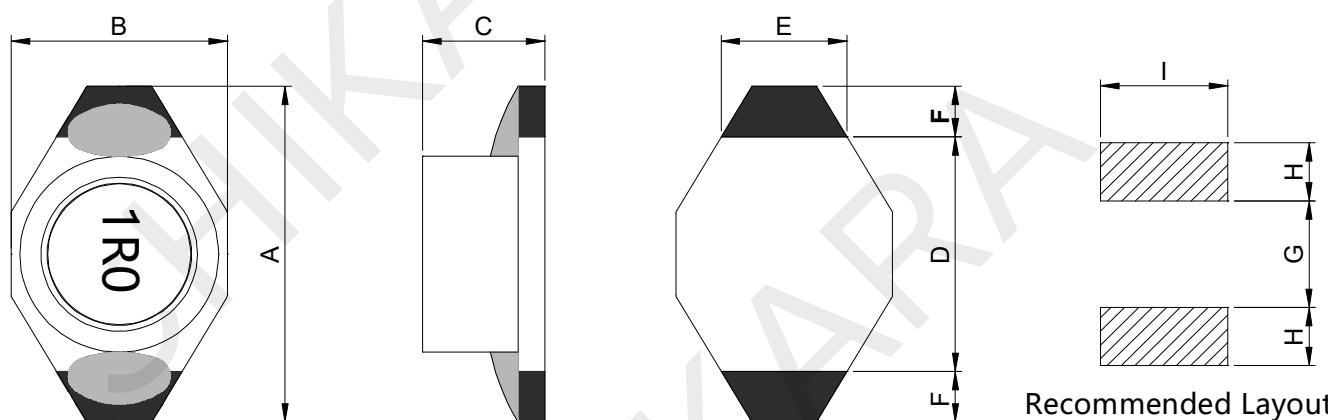


Features

- 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:2000pcs. Per 13-inch reel
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G	H	I
6.6Max.	4.45Max.	3.0Max.	4.8Ref.	2.34Ref.	0.78Ref.	4.1	1.4	3.6

Part Number Description

SP11 - 066030 1R0 M
① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic



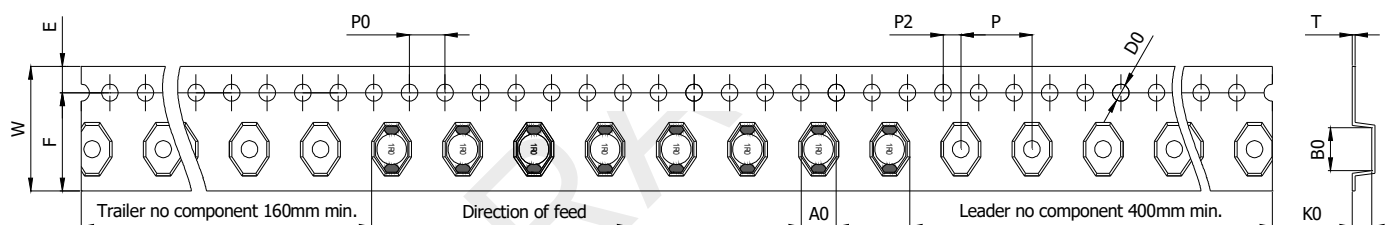
Electrical Characteristic

Part Number	Inductance L0(uH)	SRF (MHz)Typ.	DCR (Ω)Max.	Isat (A)Max.	Irms (A)Max.
SP11-0660301R0M	1.0±20%	250	0.040	1.40	3.00
SP11-0660301R5M	1.5±20%	125	0.045	0.93	2.80
SP11-0660302R2M	2.2±20%	120	0.050	0.92	1.80
SP11-0660303R3M	3.3±20%	120	0.055	0.75	1.60
SP11-0660304R7M	4.7±20%	105	0.060	0.58	1.40
SP11-0660306R8M	6.8±20%	50	0.065	0.58	1.20
SP11-066030100M	10±20%	38	0.075	0.37	1.00
SP11-066030150M	15±20%	33	0.090	0.31	0.80
SP11-066030220M	22±20%	25	0.110	0.30	0.70
SP11-066030330M	33±20%	20	0.190	0.24	0.60
SP11-066030470M	47±20%	20	0.230	0.24	0.50
SP11-066030680M	68±20%	15	0.290	0.17	0.40
SP11-066030101M	100±20%	10	0.480	0.13	0.30
SP11-066030151M	150±20%	9	0.590	0.10	0.26
SP11-066030221M	220±20%	6	0.770	0.10	0.22
SP11-066030331M	330±20%	5	1.400	0.07	0.20
SP11-066030471M	470±20%	4	1.800	0.06	0.19
SP11-066030681M	680±20%	3	2.200	0.055	0.18
SP11-066030102M	1000±20%	2	3.400	0.045	0.15
SP11-066030152M	1500±20%	2	4.200	0.035	0.12
SP11-066030222M	2200±20%	2	8.500	0.028	0.10
SP11-066030332M	3300±20%	1	11.00	0.024	0.08
SP11-066030472M	4700±20%	1	13.90	0.021	0.06
SP11-066030682M	6800±20%	1	25.00	0.019	0.04
SP11-066030103M	10000±20%	0.8	32.80	0.017	0.02

- Test frequency and voltage:100KHz,0.1Vrms.
- 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.

Packaging Specification

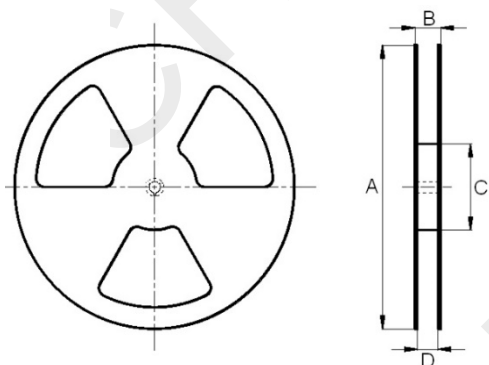
■ Carrier Tape (Unit:mm)



W	P	A0	B0	K0	E	F	P0	P2	D0	T
16.0±0.3	8.0±0.1	4.6±0.1	6.9±0.1	3.2±0.1	1.75±0.1	7.5±0.1	4.0±0.1	2.0±0.1	Φ1.5±0.1	0.35±0.05

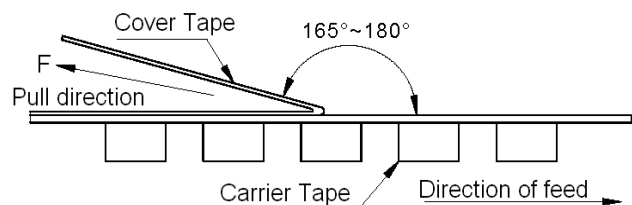
■ Reel (Unit:mm)

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

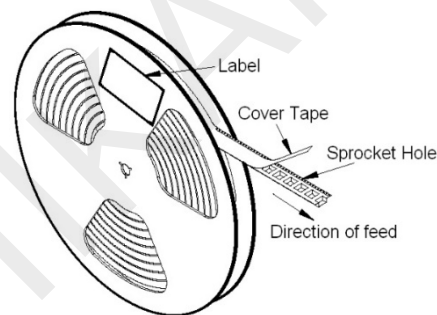


■ Taping Method

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



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



■ Package Quantity

Parts per reel
2000Pcs

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.