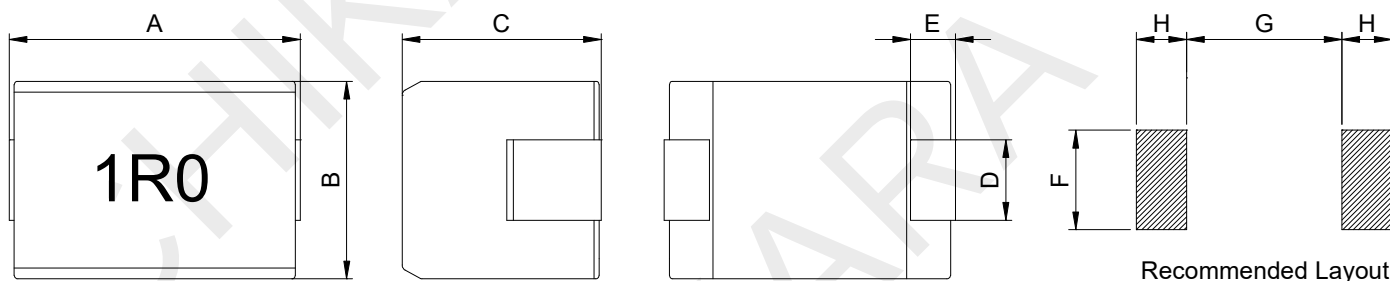


Features

- Resin-coated for high insulation and reliability
- 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:1000pcs. Per 7-inch reel
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G	H
3.2±0.4	2.5±0.2	2.2±0.3	1.0±0.2	0.6±0.3	1.4	1.8	1.0

Part Number Description

SCP01 - 322522 A 1R0 M
① ② ③ ④ ⑤

①	Type
②	Dimensions
③	High current
④	Inductance value
⑤	Tolerance code

Electrical Schematic



Electrical Characteristic

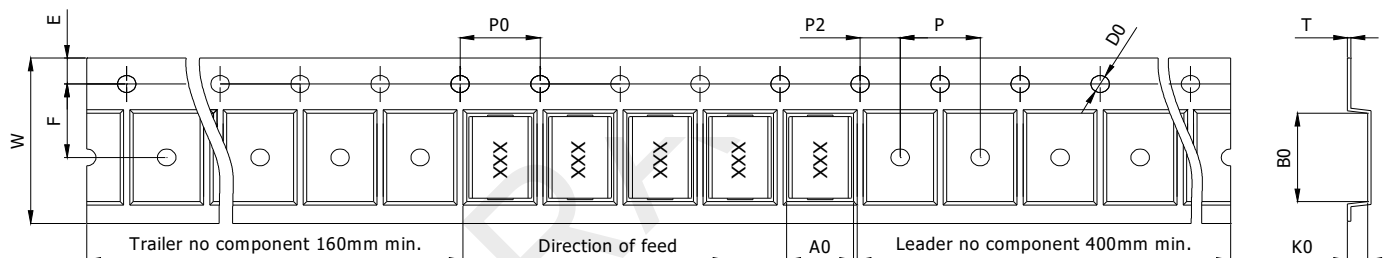
Part Number	Inductance L0(uH)	L0 Freq.(MHz)	Q Typ.	Q Freq.(MHz)	SRF (MHz)Typ.	DCR (Ω)Max.	Rated Current (mA)Max.
SCP01-322522A1R0M	1.0±20%	7.96	15	7.96	175	0.156	1550
SCP01-322522A1R5M	1.5±20%	7.96	15	7.96	100	0.195	1400
SCP01-322522A2R2M	2.2±20%	7.96	15	7.96	85	0.260	1100
SCP01-322522A3R3M	3.3±20%	7.96	15	7.96	70	0.325	1050
SCP01-322522A4R7M	4.7±20%	7.96	15	7.96	55	0.520	800
SCP01-322522A6R8M	6.8±20%	7.96	15	7.96	40	0.650	660
SCP01-322522A100K	10±10%	2.52	30	2.52	35	1.105	500
SCP01-322522A150K	15±10%	2.52	30	2.52	30	1.690	450
SCP01-322522A220K	22±10%	2.52	35	2.52	22	2.600	400
SCP01-322522A270K	27±10%	2.52	35	2.52	21	3.000	360
SCP01-322522A330K	33±10%	2.52	35	2.52	20	3.640	320
SCP01-322522A470K	47±10%	2.52	35	2.52	15	5.460	250
SCP01-322522A680K	68±10%	2.52	40	2.52	12	8.450	225
SCP01-322522A820K	82±10%	2.52	40	2.52	11	8.710	200
SCP01-322522A101K	100±10%	0.796	45	0.796	10	10.14	160

■ All test data referenced to 25°C ambient.

■ Rated current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower.

Packaging Specification

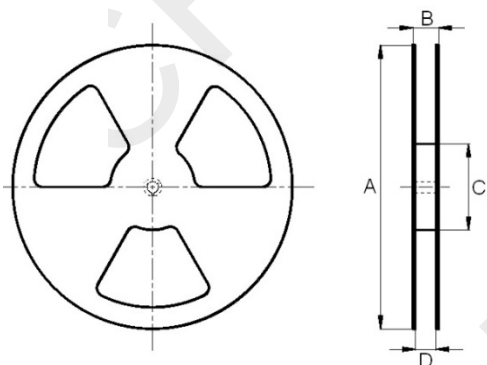
■ Carrier Tape (Unit:mm)



W	P	A0	B0	K0	E	F	P0	P2	D0	T
8.0±0.3	4.0±0.1	2.9±0.1	3.7±0.1	2.6±0.1	1.75±0.1	3.5±0.1	4.0±0.1	2.0±0.1	Φ1.5±0.1	0.25±0.05

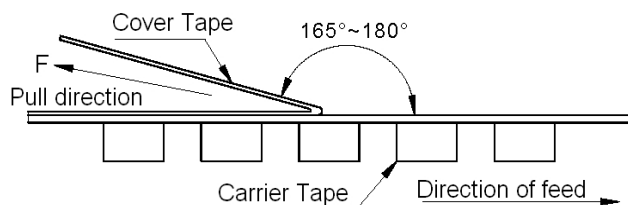
■ Reel (Unit:mm)

A	B	C	D
Φ178±1.0	11.5Max.	Φ50Min.	9.0±0.5



■ Taping Method

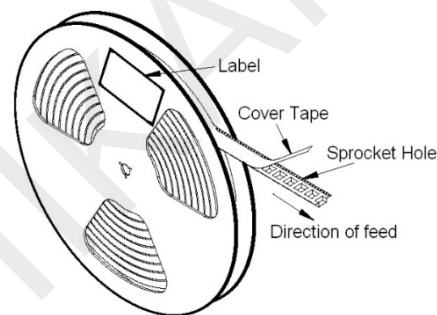
Peel-off strength	Peel-off angle	Peel-off speed
F=0.1N~1.3N	165°~180°	300mm/min.



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

■ Package Quantity

Parts per reel
1000Pcs



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.