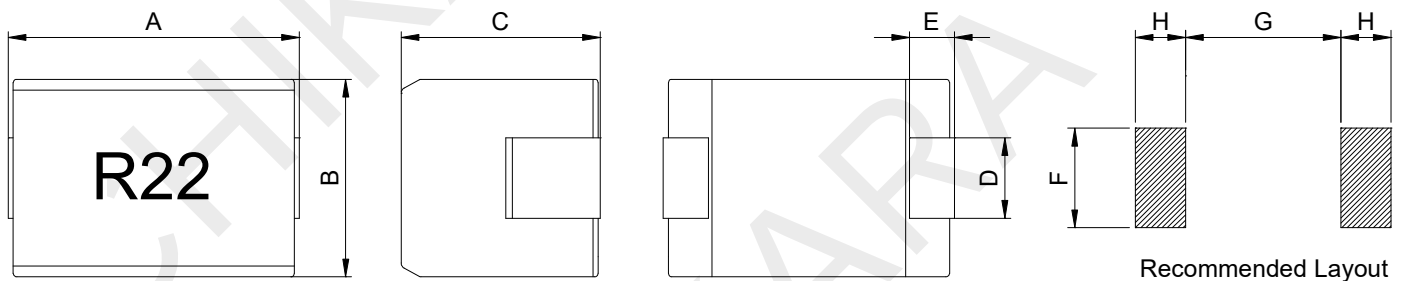


Features

- 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)



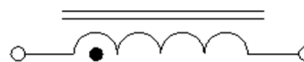
A	B	C	D	E	F	G	H
3.2±0.4	2.5±0.2	2.2±0.3	1.0±0.2	0.6±0.3	1.4	1.8	1.0

Part Number Description

SCP01 - 322522 R22 M
① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic



Electrical Characteristic

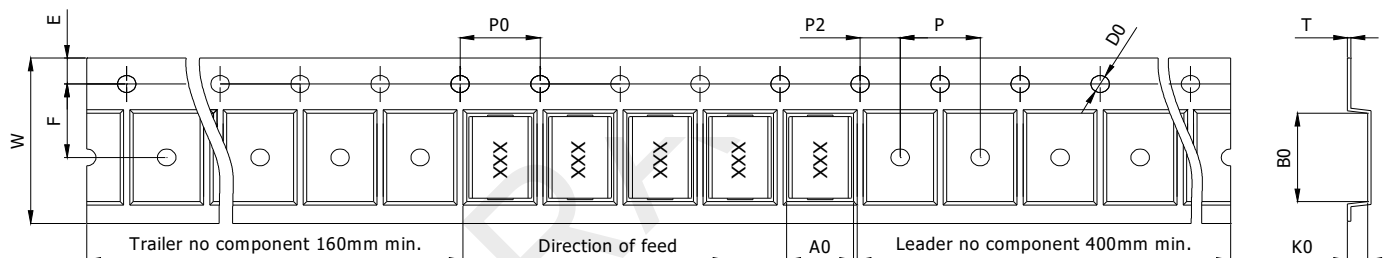
Part Number	Inductance L0(uH)	L0 Freq.(MHz)	Q Typ.	Q Freq.(MHz)	SRF (MHz)Typ.	DCR (Ω)Max.	Rated Current (mA)Max.
SCP01-322522R22M	0.22±20%	25.2	30	25.2	660	0.32	500
SCP01-322522R27M	0.27±20%	25.2	30	25.2	630	0.36	490
SCP01-322522R33M	0.33±20%	25.2	30	25.2	580	0.40	480
SCP01-322522R39M	0.39±20%	25.2	30	25.2	520	0.45	470
SCP01-322522R47M	0.47±20%	25.2	30	25.2	480	0.50	465
SCP01-322522R56M	0.56±20%	25.2	30	25.2	420	0.55	460
SCP01-322522R68M	0.68±20%	25.2	30	25.2	400	0.60	455
SCP01-322522R82M	0.82±20%	25.2	30	25.2	370	0.65	450
SCP01-3225221R0K	1.0±10%	7.96	30	7.96	340	0.70	400
SCP01-3225221R2K	1.2±10%	7.96	30	7.96	320	0.75	390
SCP01-3225221R5K	1.5±10%	7.96	30	7.96	250	0.85	370
SCP01-3225221R8K	1.8±10%	7.96	30	7.96	170	0.90	350
SCP01-3225222R2K	2.2±10%	7.96	30	7.96	100	1.00	320
SCP01-3225222R7K	2.7±10%	7.96	30	7.96	80	1.10	290
SCP01-3225223R3K	3.3±10%	7.96	30	7.96	60	1.20	260
SCP01-3225223R9K	3.9±10%	7.96	30	7.96	50	1.30	250
SCP01-3225224R7K	4.7±10%	7.96	30	7.96	45	1.50	220
SCP01-3225226R8K	6.8±10%	7.96	30	7.96	38	1.80	180
SCP01-322522100K	10±10%	2.52	30	2.52	32	2.10	150
SCP01-322522120K	12±10%	2.52	30	2.52	28	2.50	140
SCP01-322522150K	15±10%	2.52	30	2.52	26	2.80	130
SCP01-322522180K	18±10%	2.52	30	2.52	23	3.30	120
SCP01-322522220K	22±10%	2.52	30	2.52	20	3.70	110
SCP01-322522330K	33±10%	2.52	30	2.52	17	5.60	70
SCP01-322522390K	39±10%	2.52	30	2.52	16	6.40	65
SCP01-322522470K	47±10%	2.52	30	2.52	15	7.00	60
SCP01-322522560K	56±10%	2.52	30	2.52	14	8.00	55
SCP01-322522680K	68±10%	2.52	30	2.52	12	9.00	50
SCP01-322522101K	100±10%	0.796	20	0.796	11	11.0	40

■ 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 $\Delta t=20^{\circ}\text{C}$, whichever is lower.

Packaging Specification

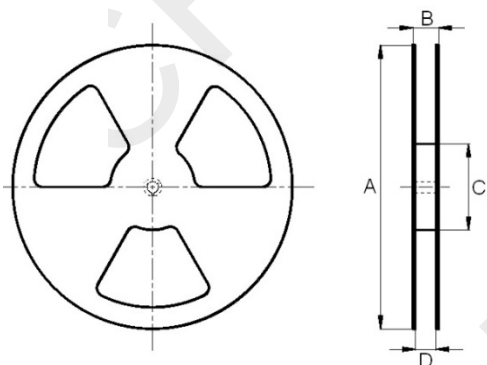
■ Carrier Tape (Unit:mm)



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

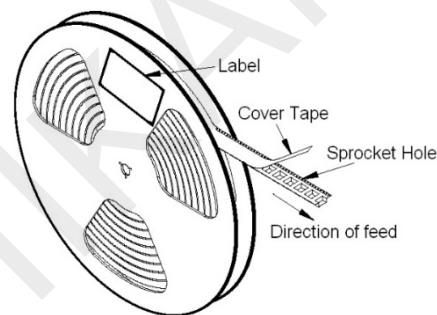
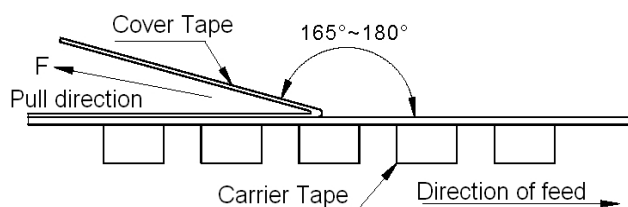
■ Reel (Unit:mm)

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.