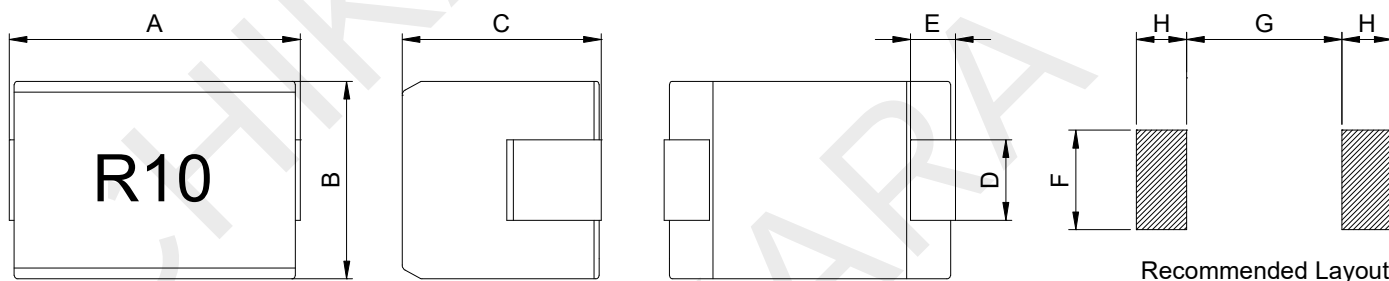


Features

- 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:500pcs. Per 7-inch reel
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G	H
4.5±0.3	3.2±0.2	3.2±0.3	1.2±0.2	1.0±0.3	1.6	2.2	1.5

Part Number Description

SCP01 - 453232 R10 M

① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic



Electrical Characteristic

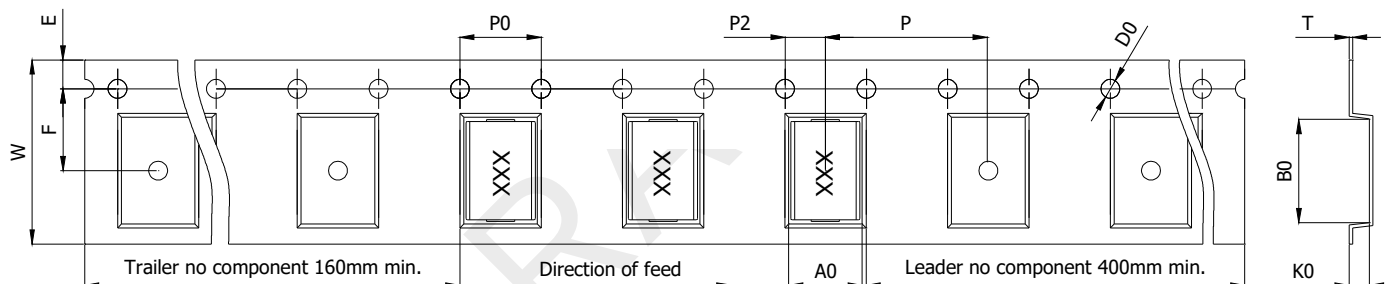
Part Number	Inductance L0(uH)	L0 Freq.(MHz)	Q Typ.	Q Freq.(MHz)	SRF (MHz)Typ.	DCR (Ω)Max.	Rated Current (mA)Max.
SCP01-453232R10M	0.10±20%	25.2	35	25.2	300	0.18	800
SCP01-453232R12M	0.12±20%	25.2	35	25.2	280	0.20	770
SCP01-453232R15M	0.15±20%	25.2	35	25.2	250	0.22	730
SCP01-453232R18M	0.18±20%	25.2	35	25.2	220	0.24	700
SCP01-453232R22M	0.22±20%	25.2	40	25.2	200	0.25	665
SCP01-453232R33M	0.33±20%	25.2	40	25.2	165	0.28	605
SCP01-453232R39M	0.39±20%	25.2	40	25.2	150	0.30	575
SCP01-453232R47M	0.47±20%	25.2	40	25.2	145	0.32	545
SCP01-453232R68M	0.68±20%	25.2	40	25.2	135	0.40	500
SCP01-453232R82M	0.82±20%	25.2	40	25.2	130	0.45	475
SCP01-4532321R0K	1.0±10%	7.96	50	7.96	100	0.50	450
SCP01-4532321R2K	1.2±10%	7.96	50	7.96	80	0.55	430
SCP01-4532321R5K	1.5±10%	7.96	50	7.96	70	0.60	410
SCP01-4532321R8K	1.8±10%	7.96	50	7.96	60	0.65	390
SCP01-4532322R2K	2.2±10%	7.96	50	7.96	55	0.70	380
SCP01-4532323R3K	3.3±10%	7.96	50	7.96	45	0.80	355
SCP01-4532323R9K	3.9±10%	7.96	50	7.96	40	0.90	330
SCP01-4532324R7K	4.7±10%	7.96	50	7.96	35	1.00	315
SCP01-4532326R8K	6.8±10%	7.96	50	7.96	27	1.20	285
SCP01-4532328R2K	8.2±10%	7.96	50	7.96	25	1.40	270
SCP01-453232100K	10±10%	2.52	50	2.52	20	1.60	250
SCP01-453232120K	12±10%	2.52	50	2.52	18	2.00	225
SCP01-453232150K	15±10%	2.52	50	2.52	17	2.50	200
SCP01-453232180K	18±10%	2.52	50	2.52	15	2.80	190
SCP01-453232220K	22±10%	2.52	50	2.52	13	3.20	180
SCP01-453232330K	33±10%	2.52	50	2.52	11	4.00	160
SCP01-453232390K	39±10%	2.52	50	2.52	10	4.50	150
SCP01-453232470K	47±10%	2.52	50	2.52	10	5.00	140
SCP01-453232680K	68±10%	2.52	50	2.52	9.0	6.00	130
SCP01-453232820K	82±10%	2.52	50	2.52	8.0	7.00	120
SCP01-453232101K	100±10%	0.796	40	0.796	8.0	8.00	110
SCP01-453232121K	120±10%	0.796	40	0.796	6.0	8.00	110
SCP01-453232151K	150±10%	0.796	40	0.796	5.0	9.00	105
SCP01-453232181K	180±10%	0.796	40	0.796	5.0	9.50	102
SCP01-453232221K	220±10%	0.796	40	0.796	4.0	10.0	100
SCP01-453232331K	330±10%	0.796	40	0.796	3.5	14.0	85
SCP01-453232391K	390±10%	0.796	40	0.796	3.0	18.0	80
SCP01-453232471K	470±10%	0.796	40	0.796	3.0	26.0	62
SCP01-453232681K	680±10%	0.796	30	0.796	3.0	30.0	50
SCP01-453232821K	820±10%	0.796	30	0.796	2.5	35.0	30
SCP01-453232102J	1000±5%	0.252	20	0.252	2.5	40.0	30

■ 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

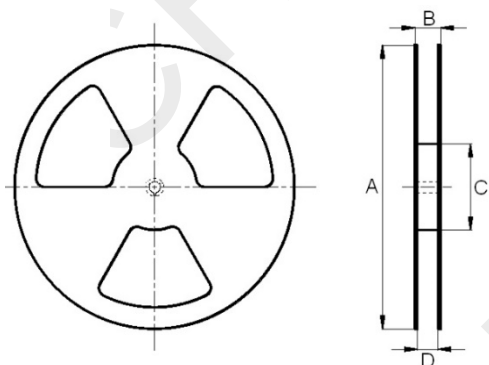
■ Carrier Tape (Unit:mm)



W	P	A0	B0	K0	E	F	P0	P2	D0	T
12±0.3	8.0±0.1	3.7±0.1	5.0±0.1	3.7±0.1	1.75±0.1	5.5±0.1	4.0±0.1	2.0±0.1	Φ1.5±0.1	0.4±0.05

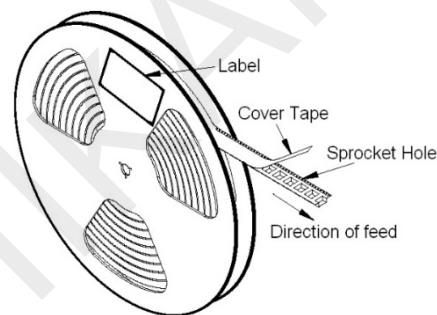
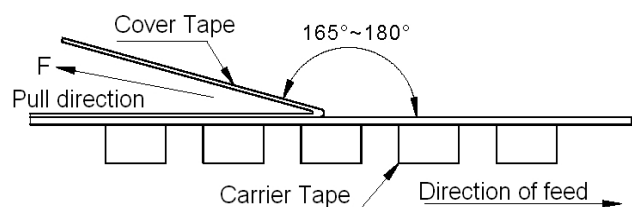
■ Reel (Unit:mm)

A	B	C	D
Φ178±1.0	18.4Max.	Φ50Min.	12.5±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
500Pcs

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.