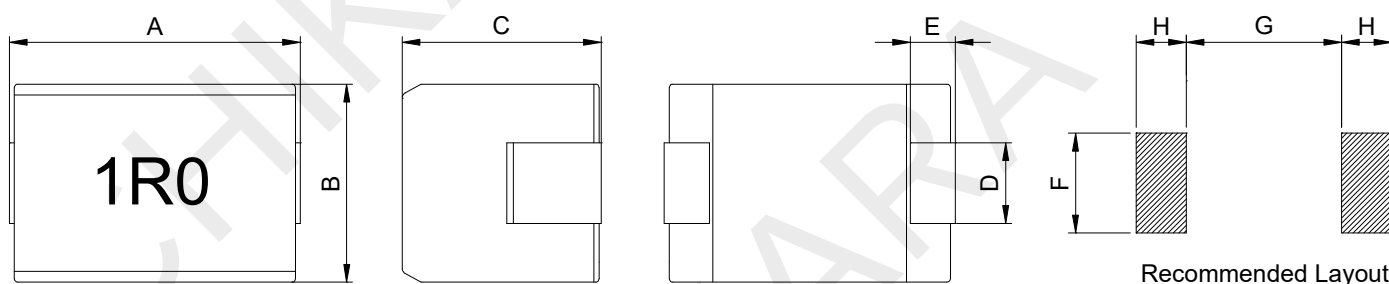


Features

- 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 A 1R0 K
① ② ③ ④ ⑤

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

Electrical Schematic



Electrical Characteristic

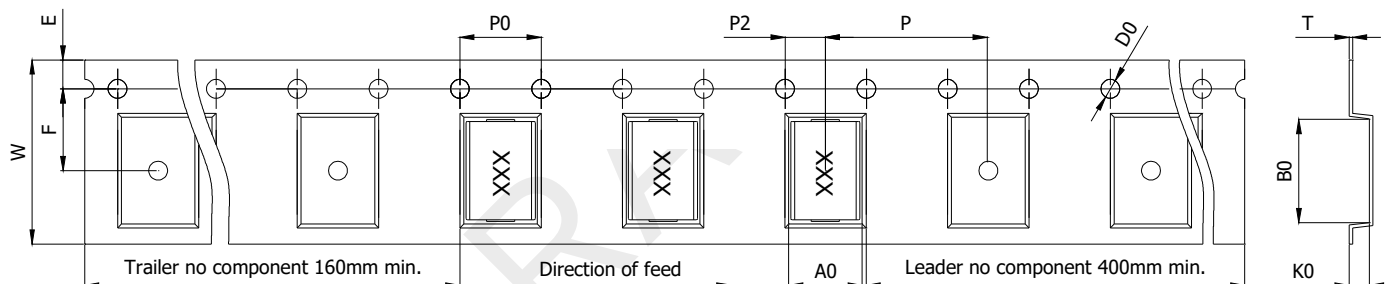
Part Number	Inductance L0(uH)	L0 Freq.(MHz)	Q Typ.	Q Freq.(MHz)	SRF (MHz)Typ.	DCR (Ω)Max.	Rated Current (mA)Max.
SCP01-453232A1R0K	1.0±10%	7.96	10	7.96	180	0.11	1050
SCP01-453232A1R2K	1.2±10%	7.96	10	7.96	160	0.12	1000
SCP01-453232A1R5K	1.5±10%	7.96	10	7.96	130	0.15	950
SCP01-453232A1R8K	1.8±10%	7.96	10	7.96	100	0.16	900
SCP01-453232A2R2K	2.2±10%	7.96	10	7.96	80.0	0.18	850
SCP01-453232A2R7K	2.7±10%	7.96	10	7.96	60.0	0.20	800
SCP01-453232A3R3K	3.3±10%	7.96	10	7.96	45.0	0.22	750
SCP01-453232A3R9K	3.9±10%	7.96	10	7.96	40.0	0.24	700
SCP01-453232A4R7K	4.7±10%	7.96	10	7.96	35.0	0.27	650
SCP01-453232A5R6K	5.6±10%	7.96	10	7.96	30.0	0.30	650
SCP01-453232A6R8K	6.8±10%	7.96	10	7.96	28.0	0.35	600
SCP01-453232A8R2K	8.2±10%	7.96	10	7.96	25.0	0.40	600
SCP01-453232A100K	10±10%	7.96	10	7.96	22.0	0.50	550
SCP01-453232A120K	12±10%	2.52	10	2.52	21.0	0.60	500
SCP01-453232A150K	15±10%	2.52	10	2.52	20.0	0.70	450
SCP01-453232A180K	18±10%	2.52	10	2.52	19.0	0.80	400
SCP01-453232A220K	22±10%	2.52	10	2.52	18.0	0.90	370
SCP01-453232A270K	27±10%	2.52	10	2.52	16.0	1.20	330
SCP01-453232A330K	33±10%	2.52	10	2.52	14.0	1.40	300
SCP01-453232A390K	39±10%	2.52	10	2.52	12.0	1.60	280
SCP01-453232A470K	47±10%	2.52	10	2.52	11.5	1.90	260
SCP01-453232A560K	56±10%	2.52	10	2.52	11.0	2.20	240
SCP01-453232A680K	68±10%	2.52	10	2.52	10.0	2.60	220
SCP01-453232A820K	82±10%	2.52	10	2.52	9.0	3.50	200
SCP01-453232A101K	100±10%	0.796	20	0.796	8.0	4.00	180
SCP01-453232A121K	120±10%	0.796	20	0.796	7.5	4.50	160
SCP01-453232A151K	150±10%	0.796	20	0.796	7.0	6.50	140
SCP01-453232A181K	180±10%	0.796	20	0.796	6.5	7.50	120
SCP01-453232A221K	220±10%	0.796	20	0.796	5.5	9.00	120
SCP01-453232A271K	270±10%	0.796	20	0.796	5.0	11.0	100
SCP01-453232A331K	330±10%	0.796	20	0.796	4.0	13.0	90
SCP01-453232A471K	470±10%	0.796	20	0.796	3.0	16.0	75

■ 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

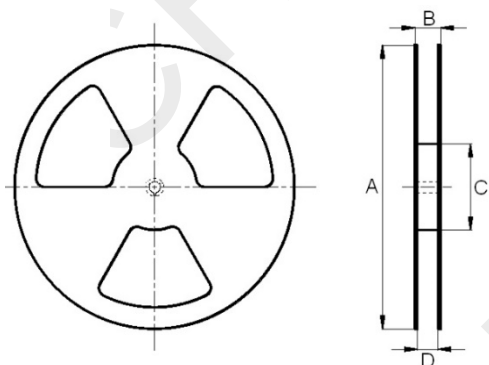
■ Carrier Tape (Unit:mm)



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

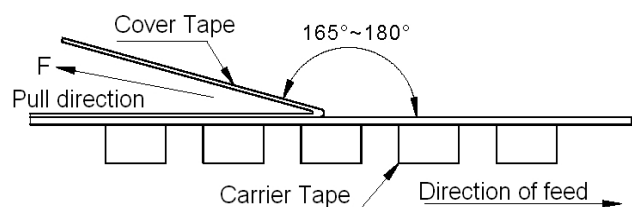
■ Reel (Unit:mm)

A	B	C	D
Φ178±1.0	18.4Max.	Φ50Min.	12.5±0.5



■ Taping Method

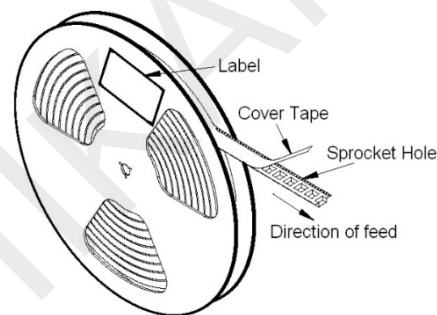
Peel-off strength	Peel-off angle	Peel-off speed
F=0.1N~1.3N	165°~180°	300mm/min.



※ 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.