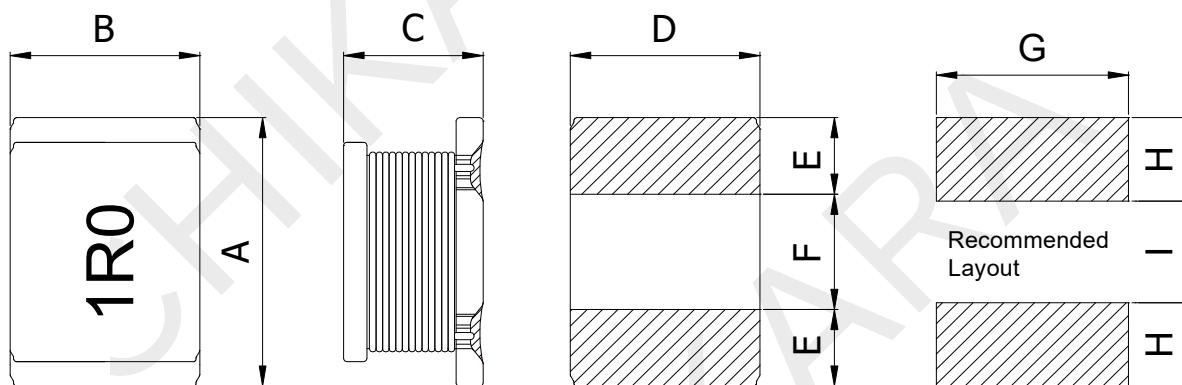


Features

- High Q at high frequencies, wide inductance range
- 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	I
4.5±0.3	3.2±0.3	2.6±0.3	3.2Typ.	1.6Typ.	1.3Typ.	3.6	2.0	1.4

Part Number Description

SP22 - 453226 1R0 M

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic



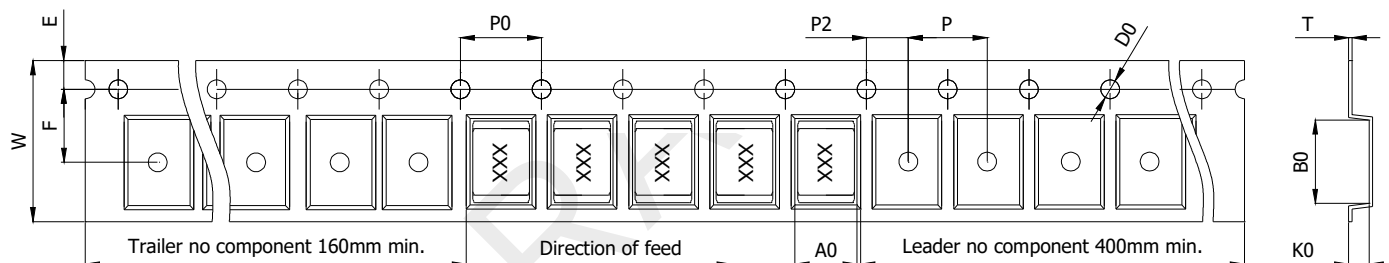
Electrical Characteristic

Part Number	Inductance L0(uH)	Q Typ.	Q Freq.(MHz)	SRF (MHz)Typ.	DCR (Ω)Max.	Isat (A)Typ.	Irms (A)Max.
SP22-4532261R0M	1.0±20%	40	1	165	0.080	4.40	1.80
SP22-4532261R5M	1.5±20%	42	1	130	0.090	4.00	1.75
SP22-4532261R8M	1.8±20%	45	1	100	0.100	3.50	1.70
SP22-4532262R2M	2.2±20%	40	1	80	0.110	2.80	1.60
SP22-4532262R7M	2.7±20%	40	1	63	0.120	2.70	1.50
SP22-4532263R3M	3.3±20%	45	1	58	0.130	2.65	1.40
SP22-4532263R9M	3.9±20%	40	1	54	0.140	2.50	1.32
SP22-4532264R7M	4.7±20%	36	1	45	0.150	2.00	1.24
SP22-4532265R6M	5.6±20%	36	1	41	0.180	1.90	1.18
SP22-4532266R8M	6.8±20%	36	1	37	0.200	1.70	1.10
SP22-4532268R2M	8.2±20%	36	1	34	0.250	1.60	1.00
SP22-453226100M	10±20%	48	1	30	0.300	1.50	0.950
SP22-453226120M	12±20%	48	1	28	0.420	1.40	0.800
SP22-453226150M	15±20%	45	1	26	0.500	1.24	0.730
SP22-453226180M	18±20%	42	1	22	0.600	1.10	0.680
SP22-453226220K	22±10%	50	1	20	0.700	1.00	0.630
SP22-453226330K	33±10%	55	1	18	1.100	0.850	0.430
SP22-453226470K	47±10%	55	1	16	1.500	0.730	0.390
SP22-453226680K	68±10%	55	1	15	2.100	0.610	0.330
SP22-453226820K	82±10%	55	1	12	2.300	0.570	0.300
SP22-453226101K	100±10%	60	1	10	2.500	0.450	0.270
SP22-453226151K	150±10%	55	0.796	8.0	3.700	0.420	0.220
SP22-453226221K	220±10%	45	0.796	6.3	5.400	0.350	0.185
SP22-453226331K	330±10%	55	0.796	5.8	11.50	0.280	0.120
SP22-453226391K	390±10%	50	0.796	5.2	13.00	0.270	0.110
SP22-453226471K	470±10%	50	0.796	5.0	14.20	0.180	0.105
SP22-453226681K	680±10%	45	0.796	3.0	16.80	0.200	0.090
SP22-453226821K	820±10%	50	0.796	2.0	20.00	0.150	0.085
SP22-453226102K	1000±10%	28	0.252	2.0	30.00	0.160	0.070
SP22-453226152K	1500±10%	35	0.252	2.0	38.50	0.095	0.055
SP22-453226222K	2200±10%	30	0.252	1.0	47.00	0.078	0.040

- Test frequency and voltage:1MHz,0.1Vrms.
- All test data referenced to 25°C ambient.
- Saturation current(Isat) will cause L0 to drop approximately 10%.
- Heat rated current(Irms) will cause the coil temperature rise approximately Δt of 40°C.

Packaging Specification

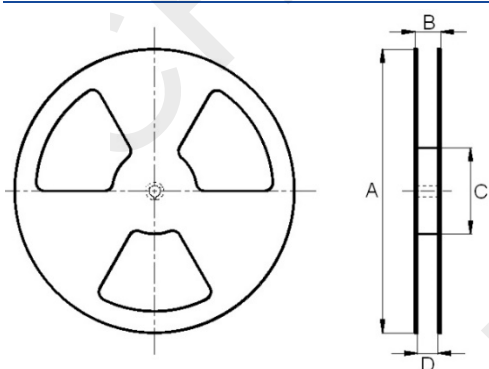
■ Carrier Tape (Unit:mm)



W	P	A0	B0	K0	E	F	P0	P2	D0	T
12±0.3	8.0±0.1	3.6±0.1	4.9±0.1	3.0±0.1	1.75±0.1	5.5±0.1	4.0±0.1	2.0±0.1	Φ1.5±0.1	0.3±0.05

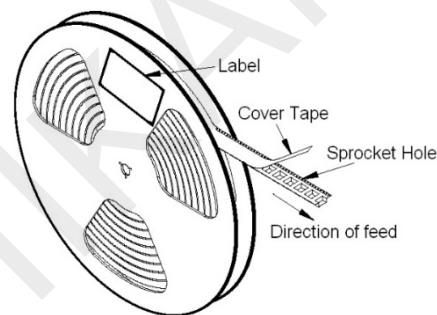
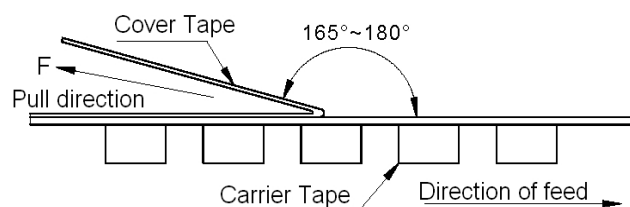
■ Reel (Unit:mm)

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.