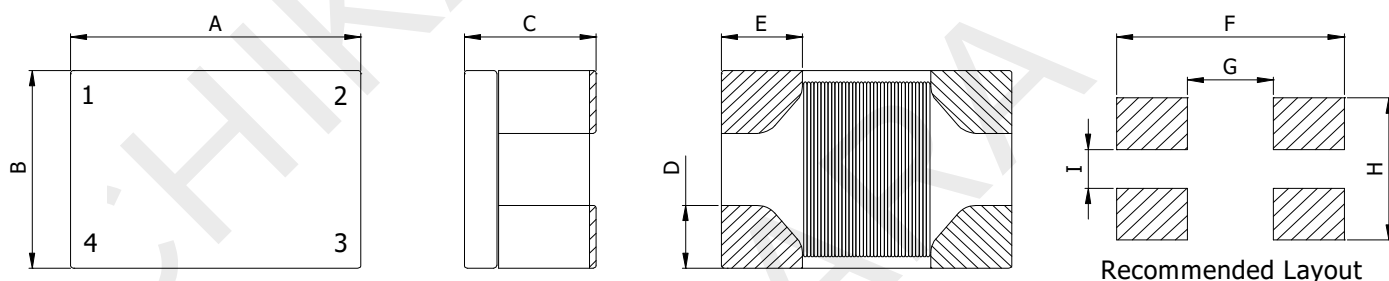


Features

- Data and signal line chokes
- 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:2000pcs. Per 7-inch reel
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



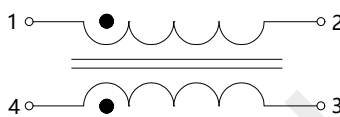
A	B	C	D	E	F	G	H	I
2.5±0.2	2.0±0.2	1.2±0.2	0.60Typ.	0.45Typ.	3.2	1.2	2.0	0.6

Part Number Description

SCM03 - 025012 T 301 P
① ② ③ ④ ⑤

①	Type
②	Dimensions
③	Two windings
④	Impedance value
⑤	Tolerance code

Electrical Schematic

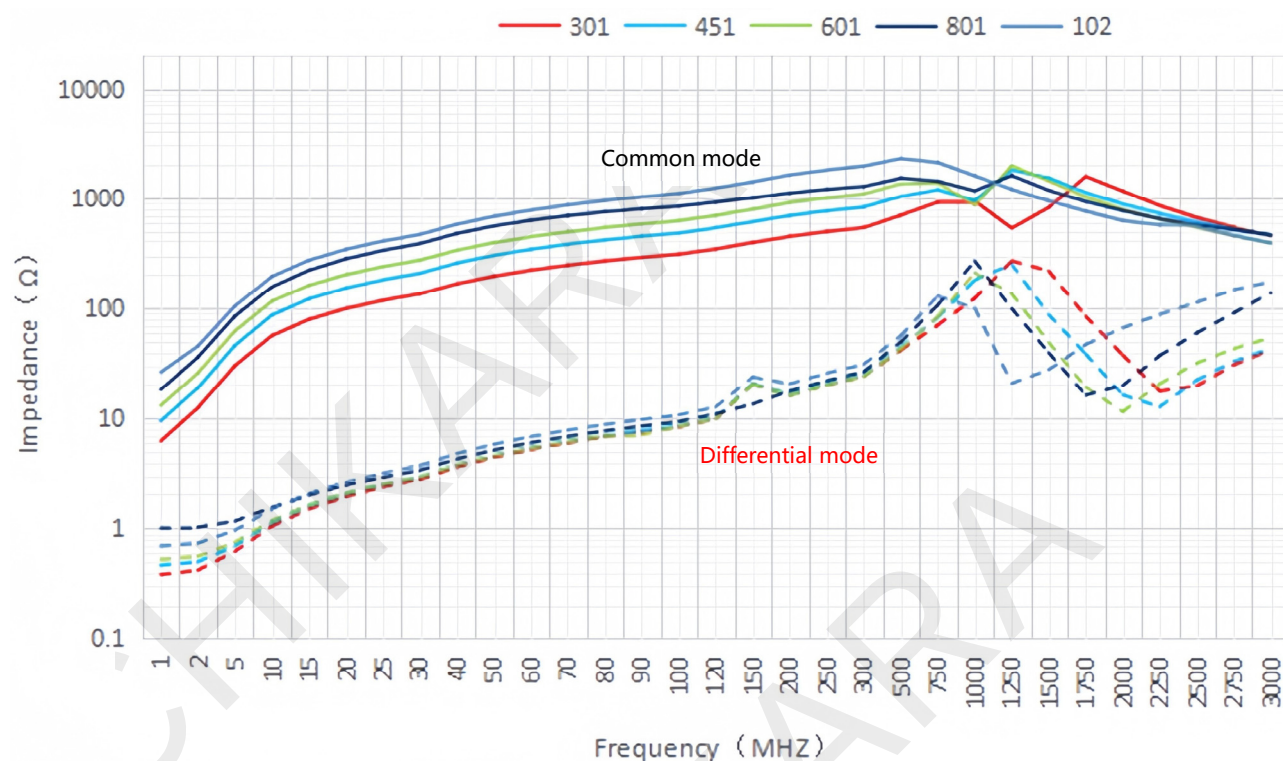


Electrical Characteristic

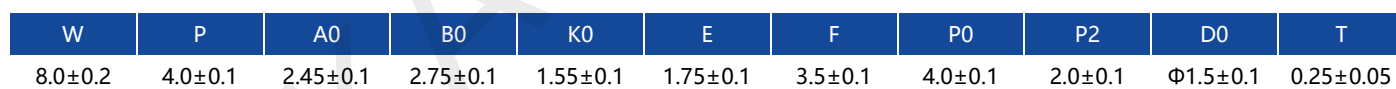
Part Number	Common mode Impedance (Ω) $\pm$ 25% $\times$ 100MHz	DC Resistance (m Ω)Max.	Rated Current (mA)Max.	Rated Voltage (Vdc)Max.	Insulation Resistance (M Ω)Min.
SCM03-025012T301P	300	250	400	60	10
SCM03-025012T451P	450	300	350	60	10
SCM03-025012T601P	600	380	330	60	10
SCM03-025012T801P	800	420	300	60	10
SCM03-025012T102P	1000	500	240	60	10

- All test data referenced to 25°C ambient.
- Rated current: DC current when temperature of coil increased up to 40°C.

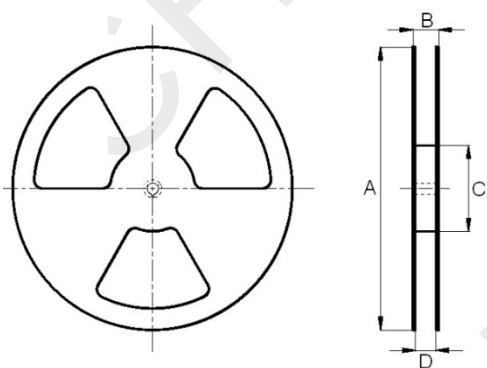
Characteristic Curve (Typical value)



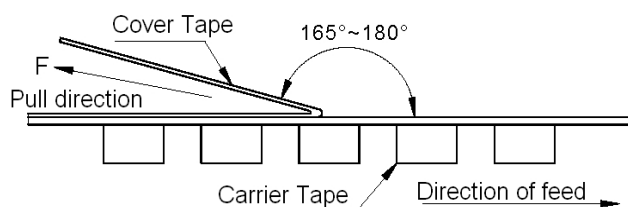
- Carrier Tape (Unit:mm)



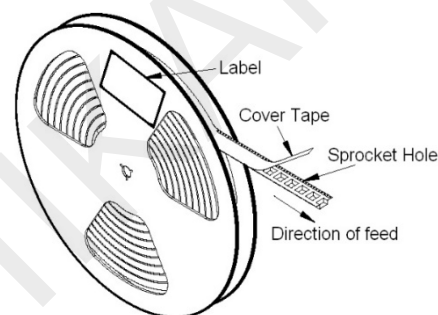
A	B	C	D
$\Phi 178 \pm 2.0$	11.5Max.	$\Phi 50 \text{Min.}$	9.0 ± 0.5



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.

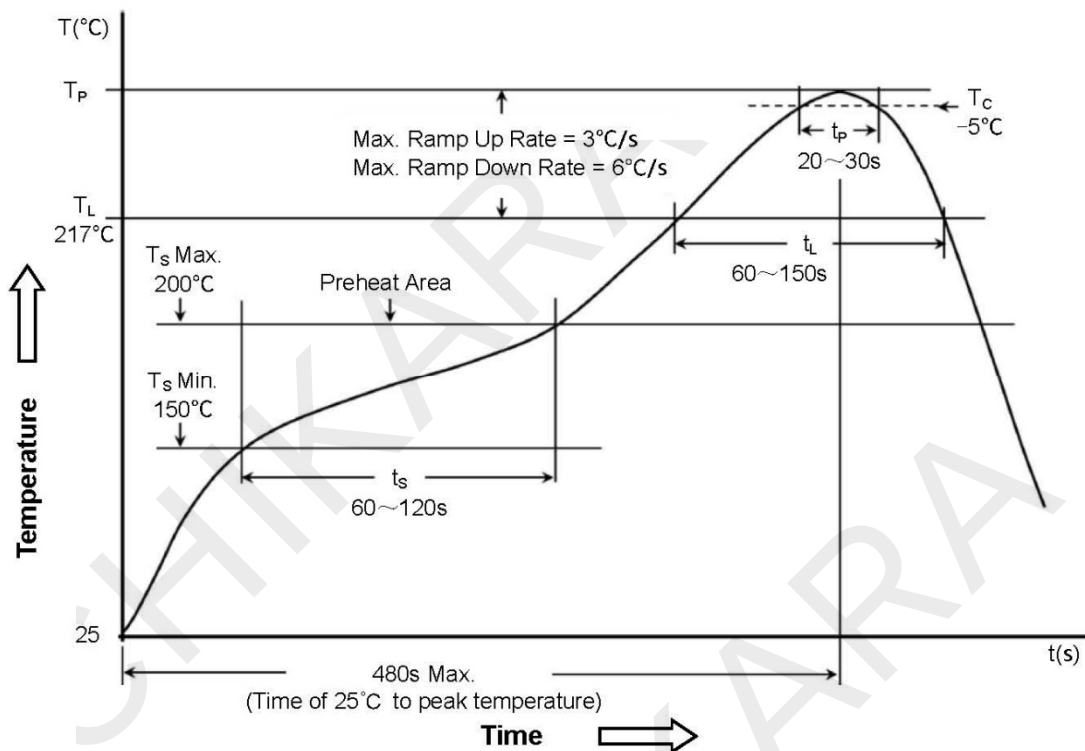


Parts per reel

2000Pcs

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.