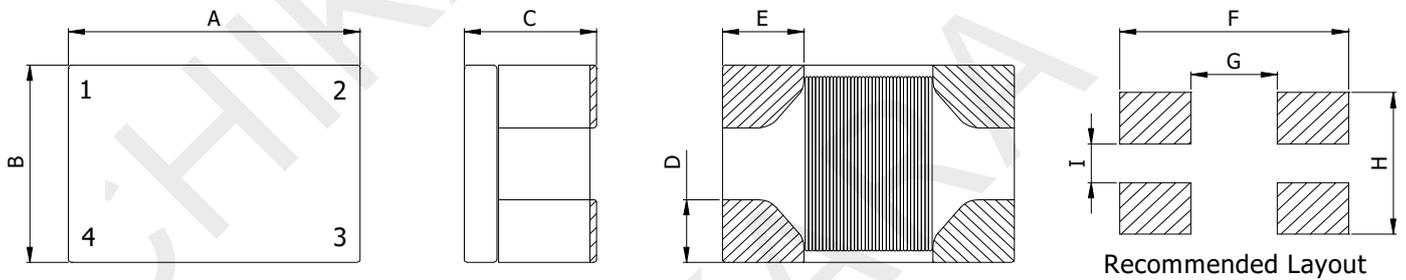


Features

- 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 13-inch reel
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



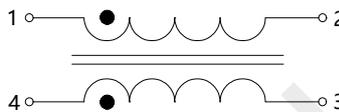
A	B	C	D	E	F	G	H	I
4.5±0.2	3.2±0.2	2.8±0.2	1.2Typ.	1.0Typ.	4.8	2.5	3.8	0.7

Part Number Description

SCM03 - 045028 T 800 P
 ① ② ③ ④ ⑤

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

Electrical Schematic

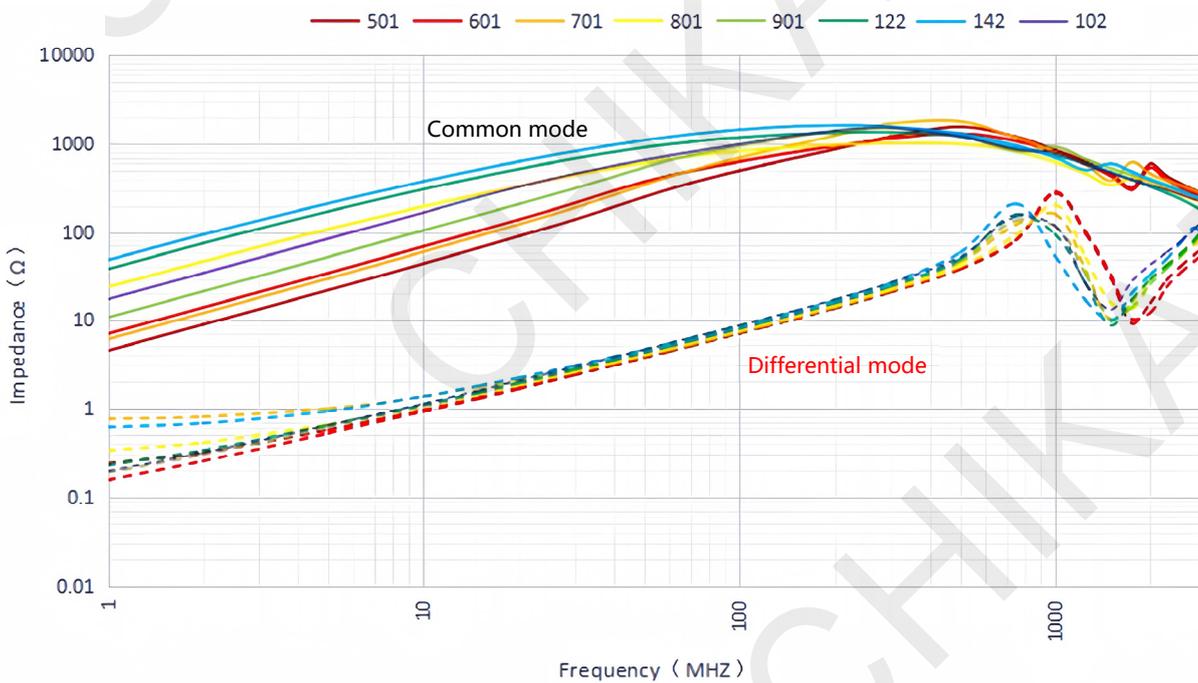
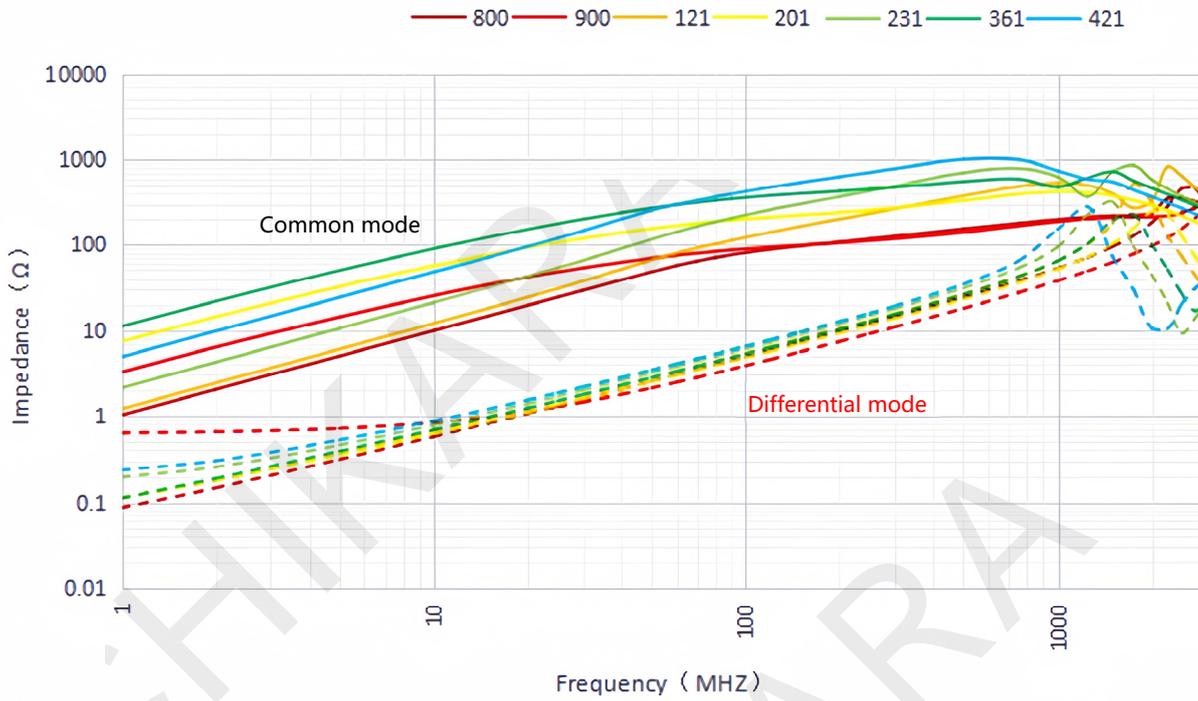


Electrical Characteristic

Part Number	Common mode Impedance (Ω) \pm 25%@100MHz	DC Resistance (m Ω)Max.	Rated Current (mA)Max.	Rated Voltage (Vdc)Max.	Insulation Resistance (M Ω)Min.
SCM03-045028T800P	80	50	2500	60	10
SCM03-045028T900P	90	50	2500	60	10
SCM03-045028T121P	120	50	2000	60	10
SCM03-045028T201P	200	50	2000	60	10
SCM03-045028T231P	230	60	1600	60	10
SCM03-045028T361P	360	60	1600	60	10
SCM03-045028T421P	420	70	1600	60	10
SCM03-045028T501P	500	80	1500	60	10
SCM03-045028T601P	600	80	1500	60	10
SCM03-045028T701P	700	80	1200	60	10
SCM03-045028T801P	800	90	1200	60	10
SCM03-045028T901P	900	100	1200	60	10
SCM03-045028T102P	1000	100	1000	60	10
SCM03-045028T122P	1200	100	1000	60	10
SCM03-045028T142P	1400	100	1000	60	10

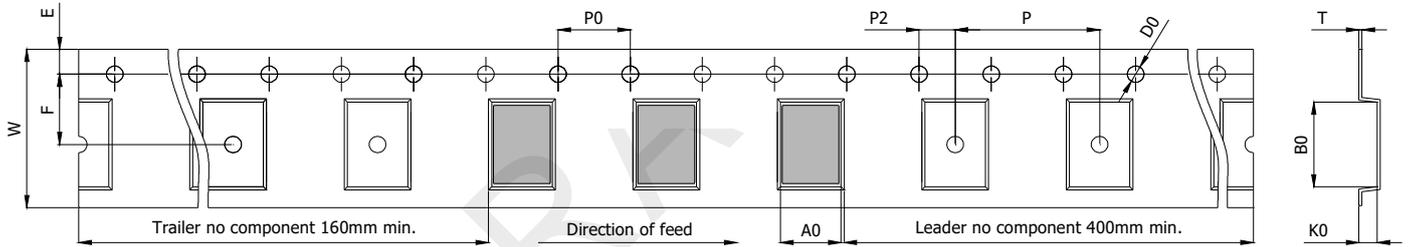
- All test data referenced to 25°C ambient.
- Rated current: DC current when temperature of coil increased up to 40°C.

Characteristic Curve (Typical value)



Packaging Specification

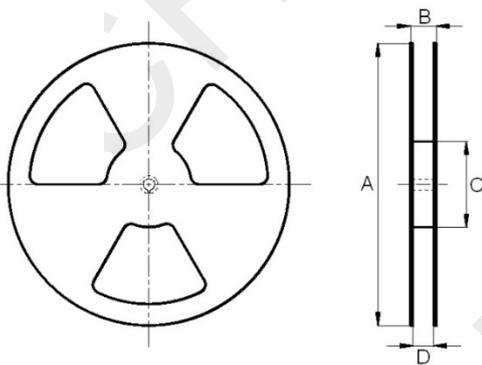
Carrier Tape (Unit:mm)



W	P	A0	B0	K0	E	F	P0	P2	D0	T
12.0±0.2	8.0±0.1	3.55±0.1	4.85±0.1	3.05±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

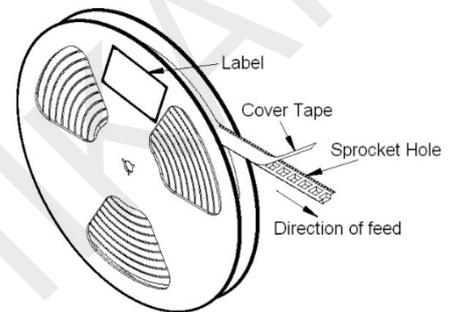
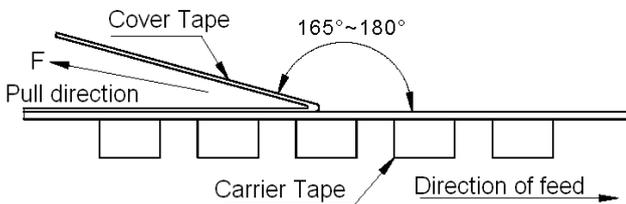
Reel (Unit:mm)

A	B	C	D
Φ330±1.0	18.4Max.	Φ100±1.0	13.0±0.5



Taping Method

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



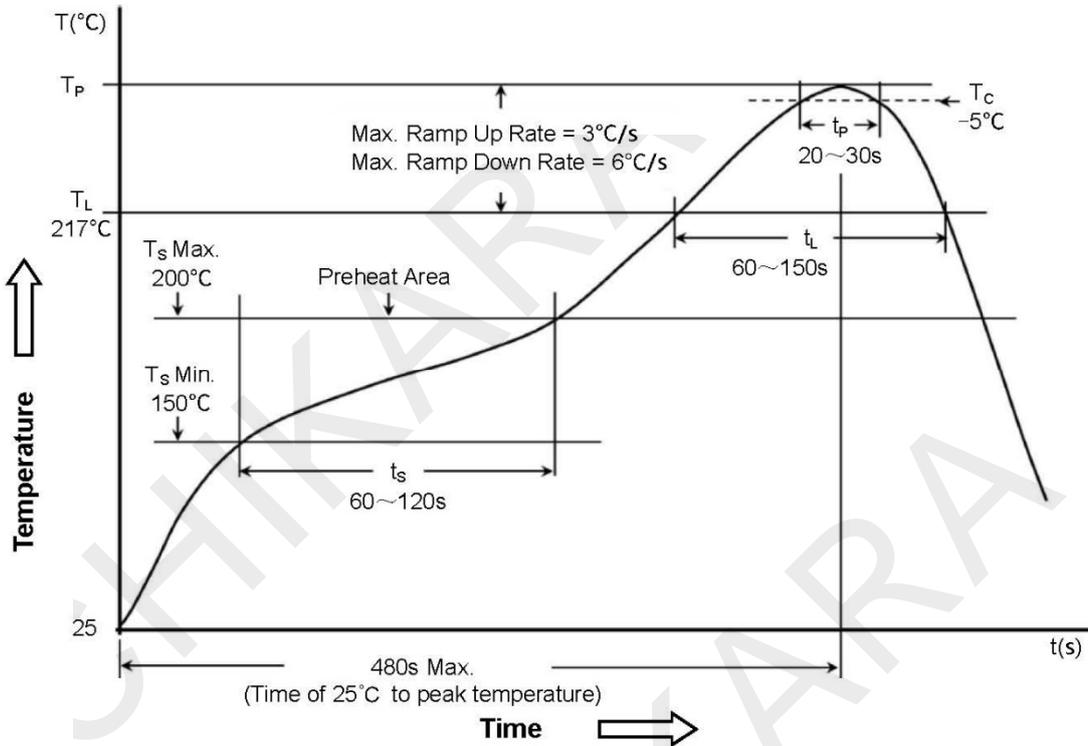
※ Packing is referred to the international standard IEC 60286-3.

Package Quantity

Parts per reel
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.