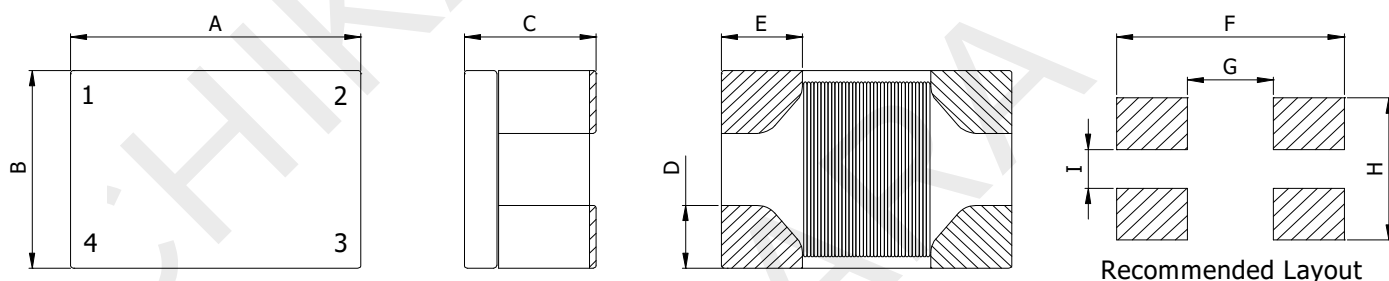


Features

- 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)



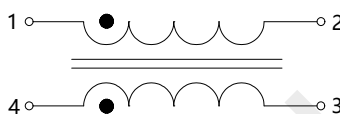
A	B	C	D	E	F	G	H	I
4.5±0.2	3.2±0.2	2.8±0.2	1.2Typ.	1.0Typ.	4.8	2.5	3.8	0.7

Part Number Description

SCM03 - 045028 T L 110 N
① ② ③ ④ ⑤ ⑥

①	Type
②	Dimensions
③	Two windings
④	Characteristic code
⑤	Inductance value
⑥	Tolerance code

Electrical Schematic

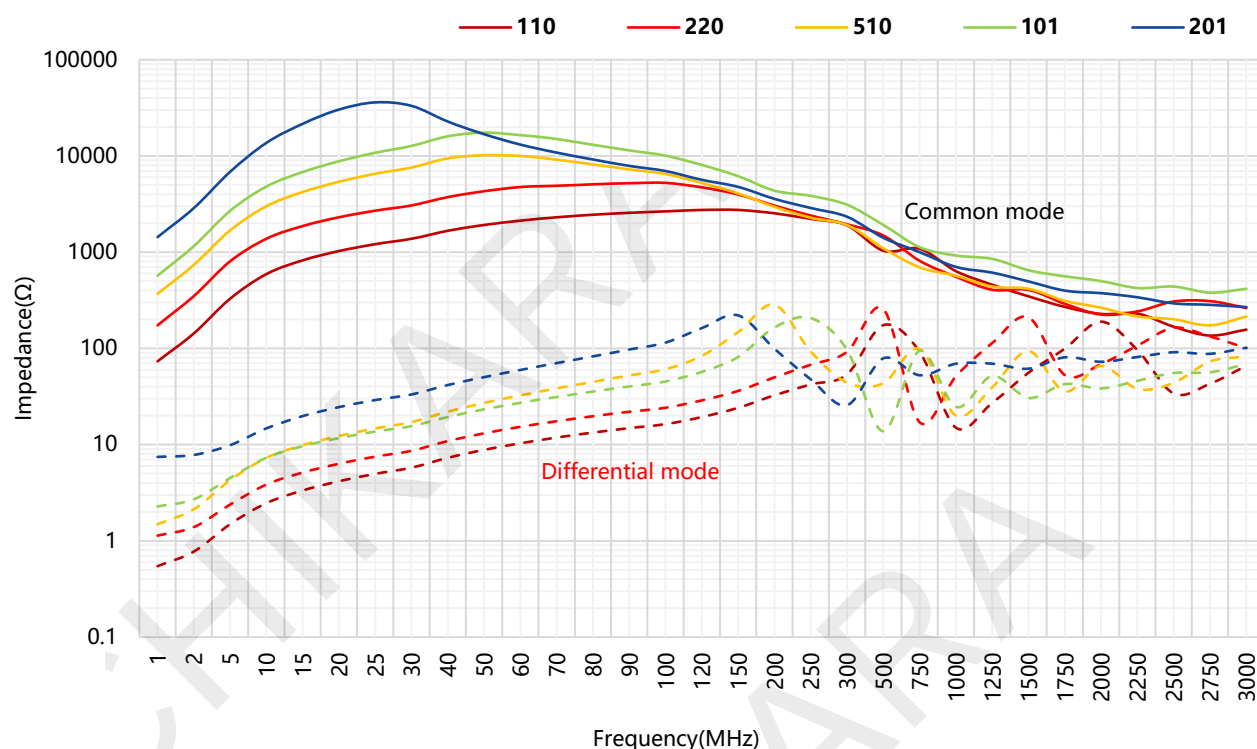


Electrical Characteristic

Part Number	Inductance (uH)@100KHz/0.1V	Common mode Impedance (Ω)@10MHz		DC Resistance (mΩ)Max.	Rated Current (mA)Max.	Rated Voltage (Vdc)Max.	Insulation Resistance (MΩ)Min.
SCM03-045028TL110N	11+50%/-30%	300Min.	600Typ.	600	250	60	10
SCM03-045028TL220N	22+50%/-30%	500Min.	1200Typ.	1000	200	60	10
SCM03-045028TL510N	51+50%/-30%	1000Min.	2800Typ.	1000	200	60	10
SCM03-045028TL101N	100+50%/-30%	2000Min.	5800Typ.	2000	150	60	10
SCM03-045028TL201N	200+50%/-30%	5000Min.	11000Typ.	4500	100	60	10

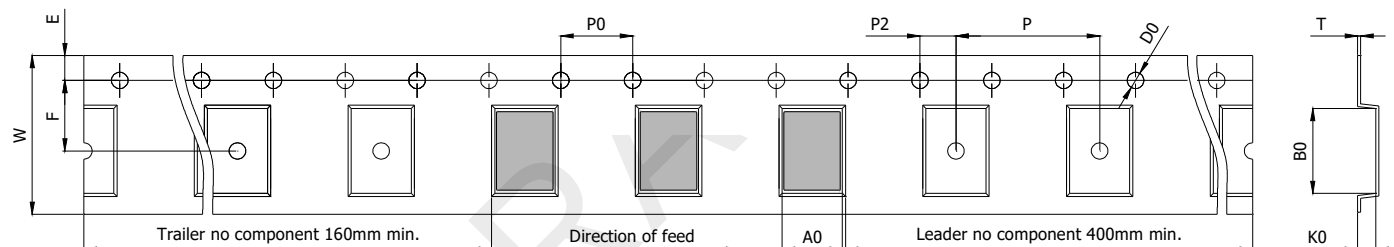
- All test data referenced to 25°C ambient.
- Rated current: DC current when temperature of coil increased up to 40°C.

Characteristic Curve (Typical value)



Packaging Specification

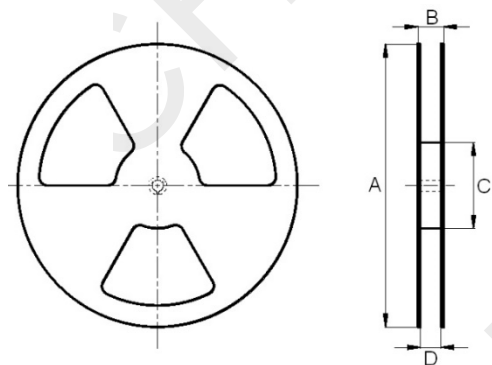
- Carrier Tape (Unit:mm)



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

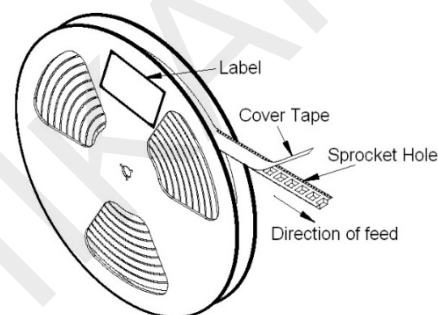
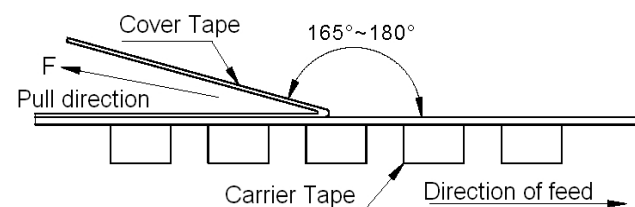
- Reel (Unit:mm)

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.



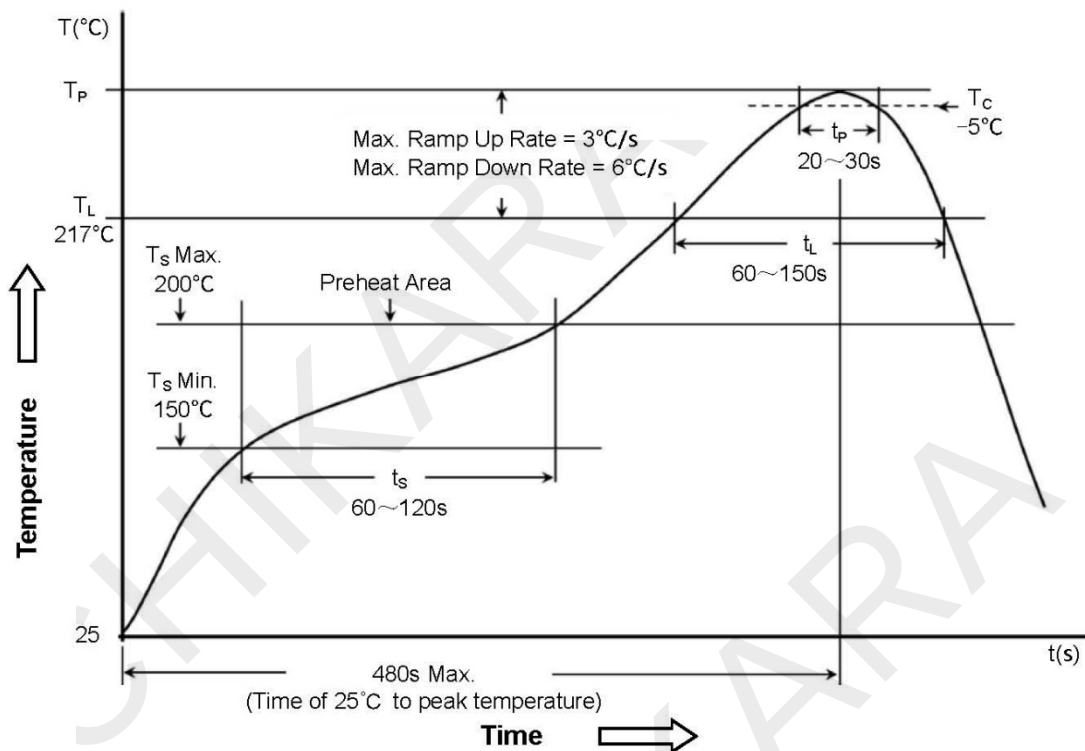
✖ Packing is referred to the international standard IEC 60286-3.

- 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.