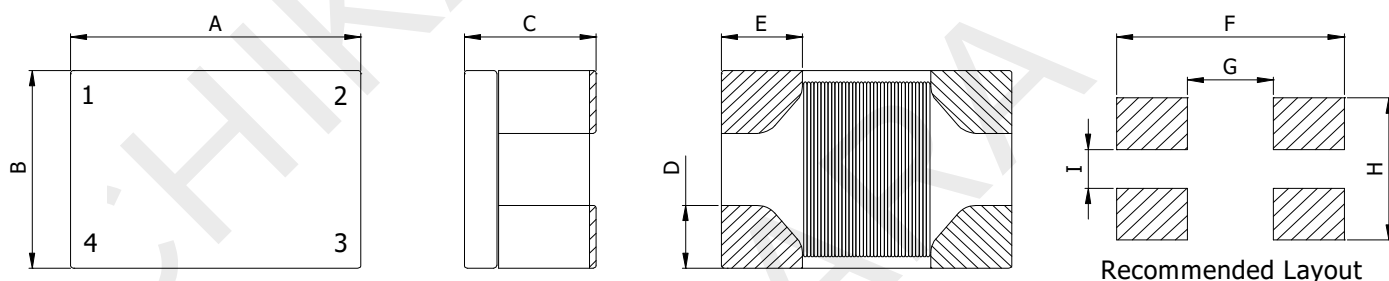


Features

- 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:1500pcs. Per 7-inch reel
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



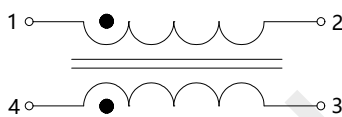
A	B	C	D	E	F	G	H	I
3.2±0.2	2.5±0.2	2.2±0.2	0.90Typ.	0.75Typ.	3.7	2.0	2.5	0.6

Part Number Description

SCM03 - 032022 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

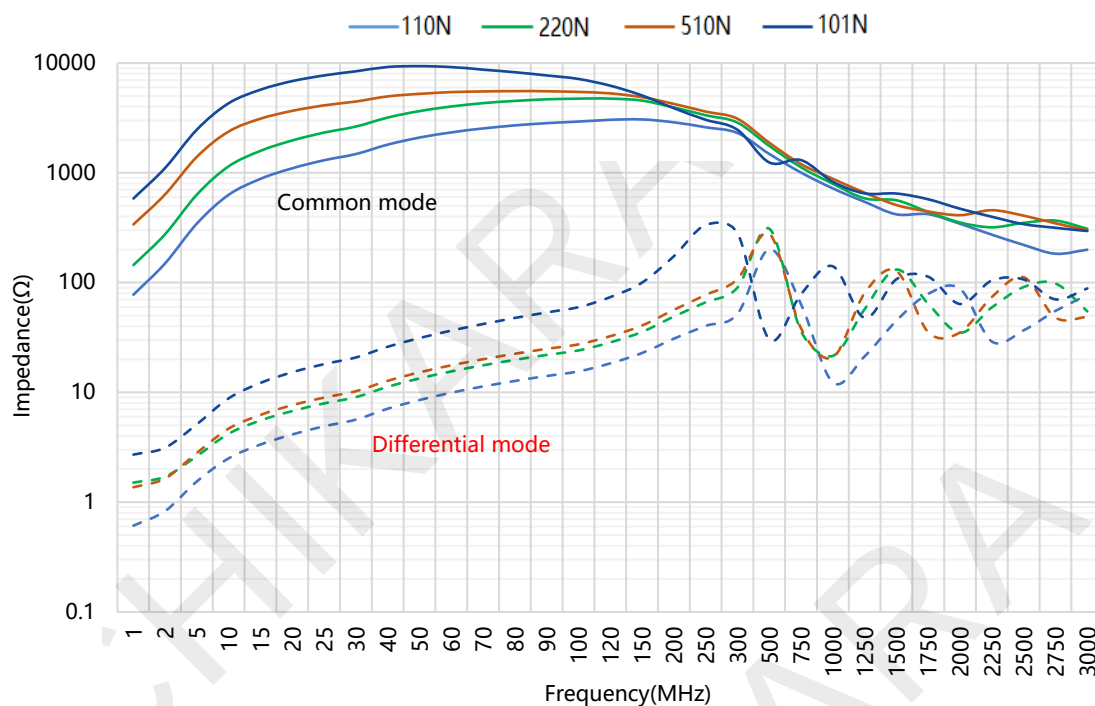


Electrical Characteristic

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.
SCM03-032022TL110N	11+50%/-30%	300Min.	550Typ.	400	300	60	10
SCM03-032022TL220N	22+50%/-30%	500Min.	1100Typ.	500	250	60	10
SCM03-032022TL510N	51+50%/-30%	1000Min.	2600Typ.	700	200	60	10
SCM03-032022TL101N	100+50%/-30%	2200Min.	5100Typ.	1500	150	60	10
SCM03-032022TL201N	200+50%/-30%	5000Min.	10000Typ.	6000	70	60	10

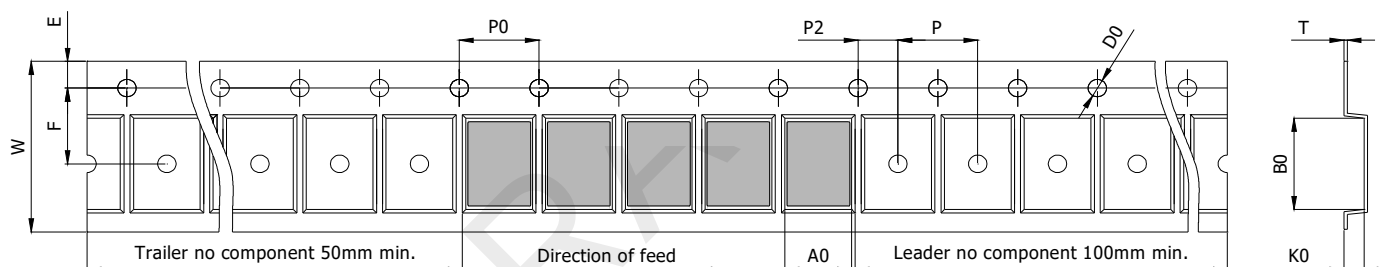
- All test data referenced to 25°C ambient.
- Rated current: DC current when temperature of coil increased up to 40°C.

Characteristic Curve (Typical value)



Packaging Specification

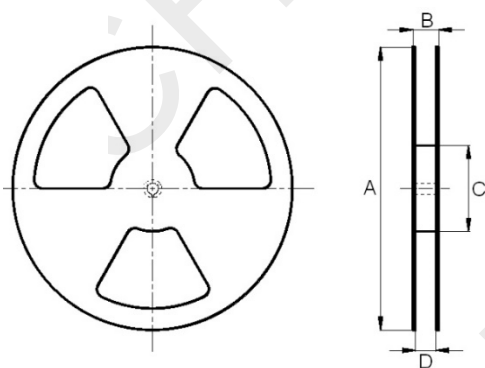
- Carrier Tape (Unit:mm)



W	P	A0	B0	K0	E	F	P0	P2	D0	T
8.0±0.2	4.0±0.1	2.85±0.1	3.65±0.1	2.55±0.1	1.75±0.1	3.5±0.1	4.0±0.1	2.0±0.1	Φ1.5±0.1	0.25±0.05

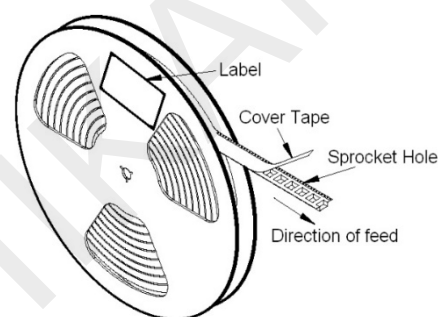
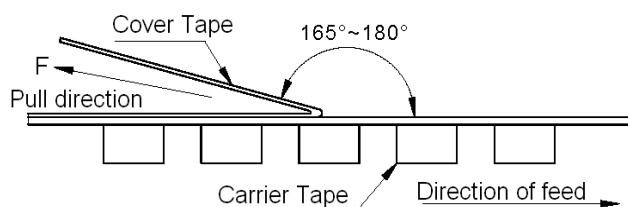
- Reel (Unit:mm)

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



- Taping Method

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



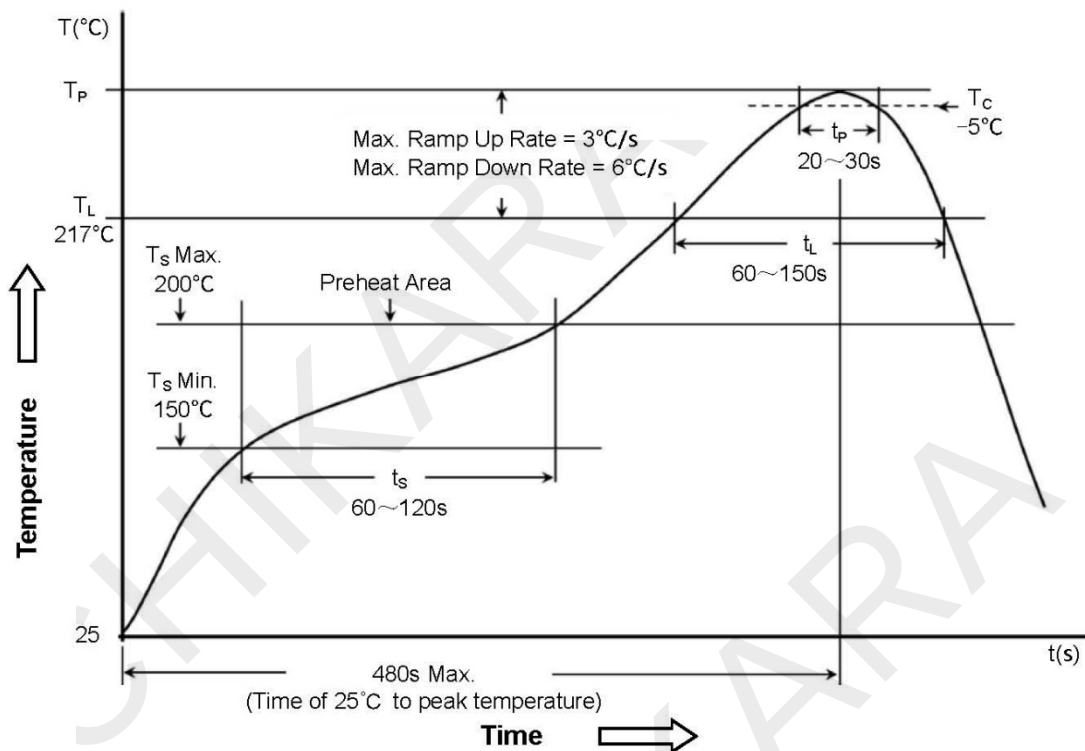
✖ Packing is referred to the international standard IEC 60286-3.

- Package Quantity

Parts per reel
1500Pcs

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.