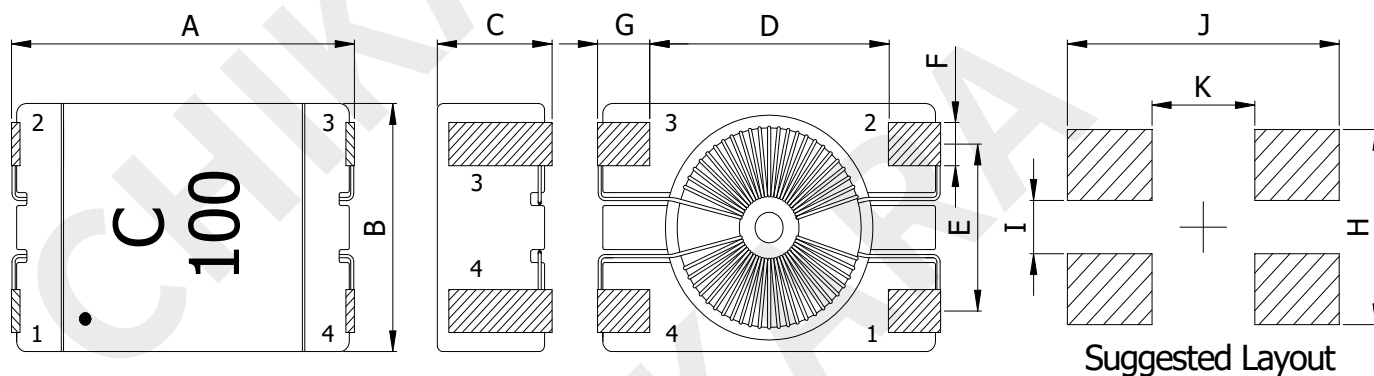


Features

- 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:1000pcs. Per 7-inch reel
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



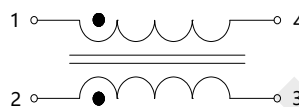
A	B	C	D	E	F	G	H	I	J	K
6.5Max.	3.6±0.15	1.65±0.15	3.4±0.2	2.5±0.15	0.55±0.1	0.9Min.	3.35	1.65	6.6	3.6

Part Number Description

SCM05 - 6517 100 Q
① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic

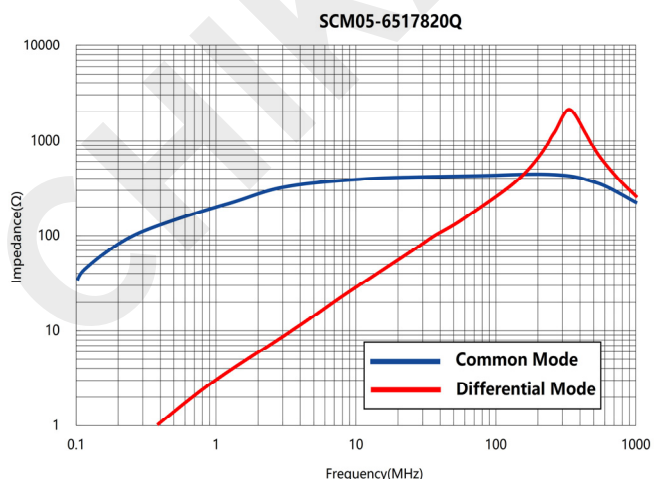
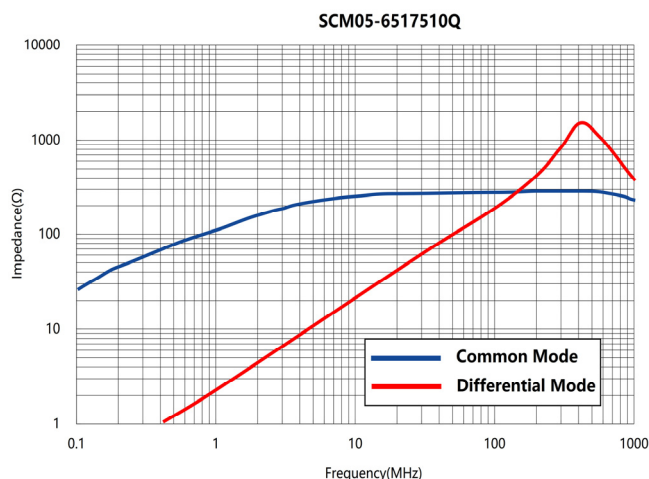
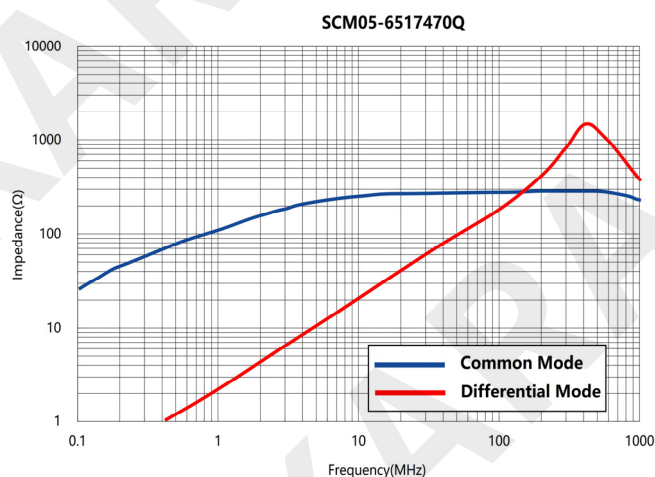
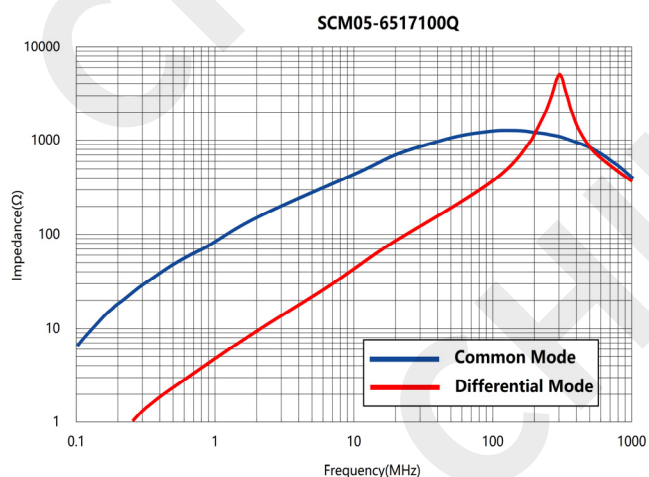


Electrical Characteristic

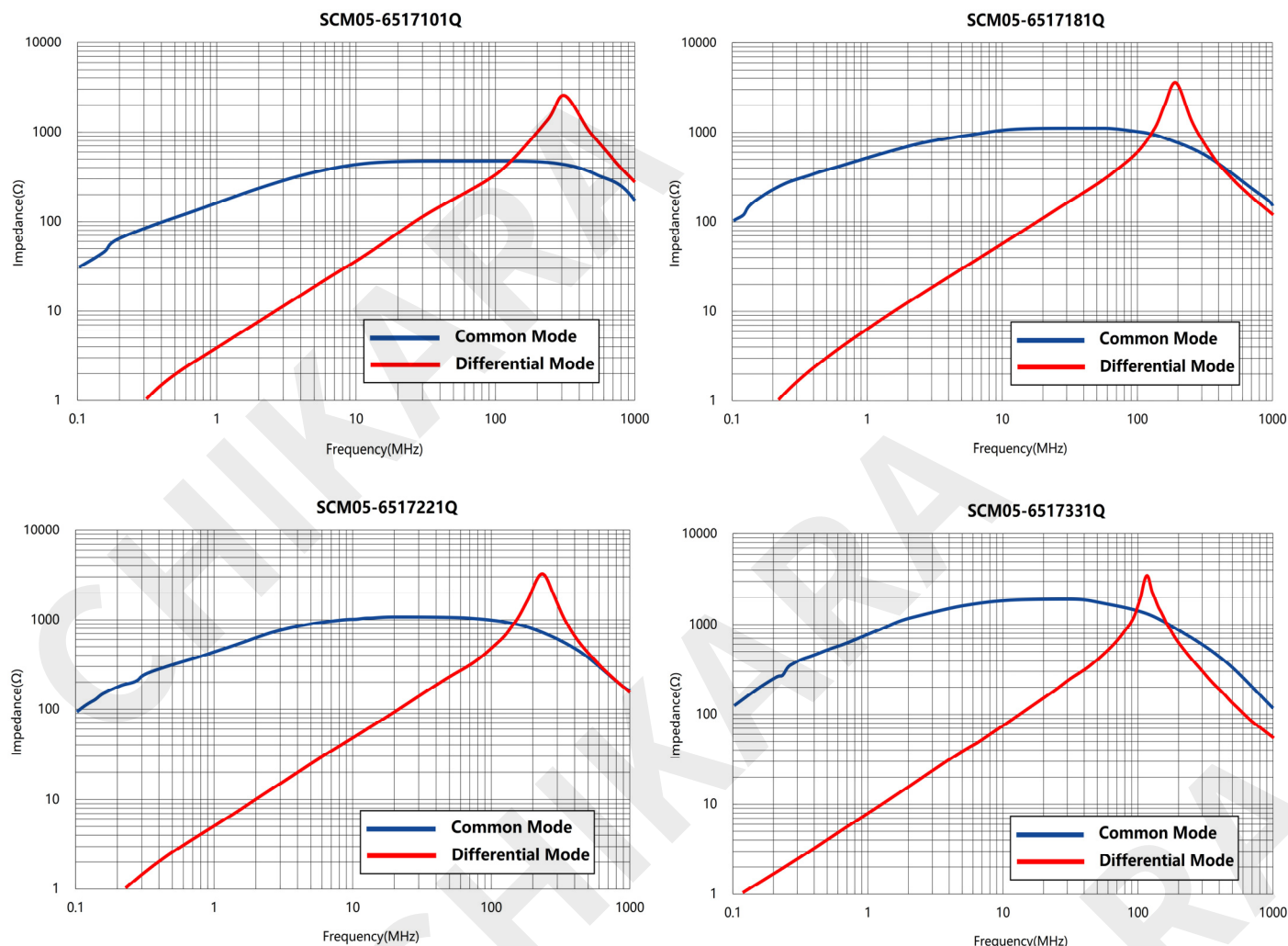
Part Number	Inductance L0(uH)	Max.Impedance (Ω)Typ.	DCR (Ω)Max.	Rated Current (A)Max.	Rated Voltage (V)Max.	Hi-Pot (Coil - Coil)
SCM05-6517100Q	10 $\pm$ 50%	1200	0.24	0.3	80	0.25KV AC/3mA/3S
SCM05-6517470Q	47 $\pm$ 50%	300	0.16	0.3	80	0.25KV AC/3mA/3S
SCM05-6517510Q	51 $\pm$ 50%	300	0.16	0.3	80	0.25KV AC/3mA/3S
SCM05-6517820Q	82 $\pm$ 50%	440	0.20	0.3	80	0.25KV AC/3mA/3S
SCM05-6517101Q	100 $\pm$ 50%	500	0.22	0.3	80	0.25KV AC/3mA/3S
SCM05-6517181Q	180 $\pm$ 50%	1000	0.25	0.3	80	0.25KV AC/3mA/3S
SCM05-6517221Q	220 $\pm$ 50%	1200	0.28	0.3	80	0.25KV AC/3mA/3S
SCM05-6517331Q	330 $\pm$ 50%	2000	0.30	0.3	80	0.25KV AC/3mA/3S

- Test frequency and voltage:10KHz,0.02Vrms.
- All test data referenced to 25°C ambient.
- Rated current: DC current when temperature of coil increased up to 20°C.

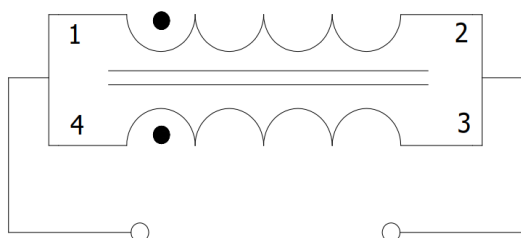
Characteristic Curve (Typical value)



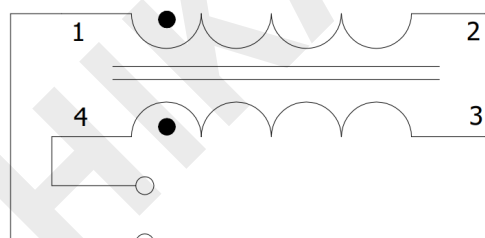
Characteristic Curve (Typical value)



Test Setup

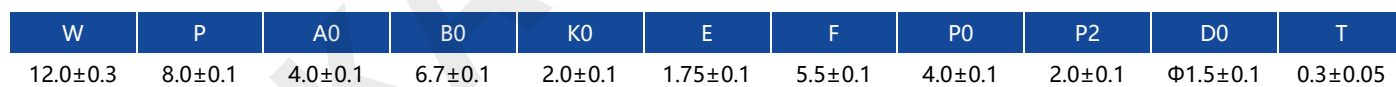


Common Mode

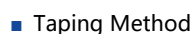


Differential Mode

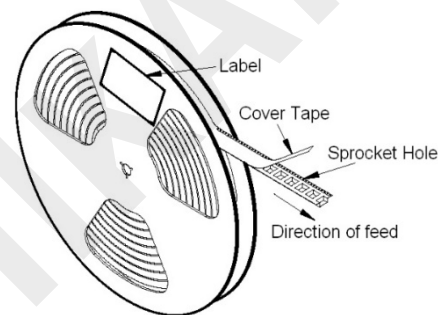
- Carrier Tape (Unit:mm)



A	B	C	D
Φ178±1.0	18.4Max.	Φ50Min.	12.5±0.5



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



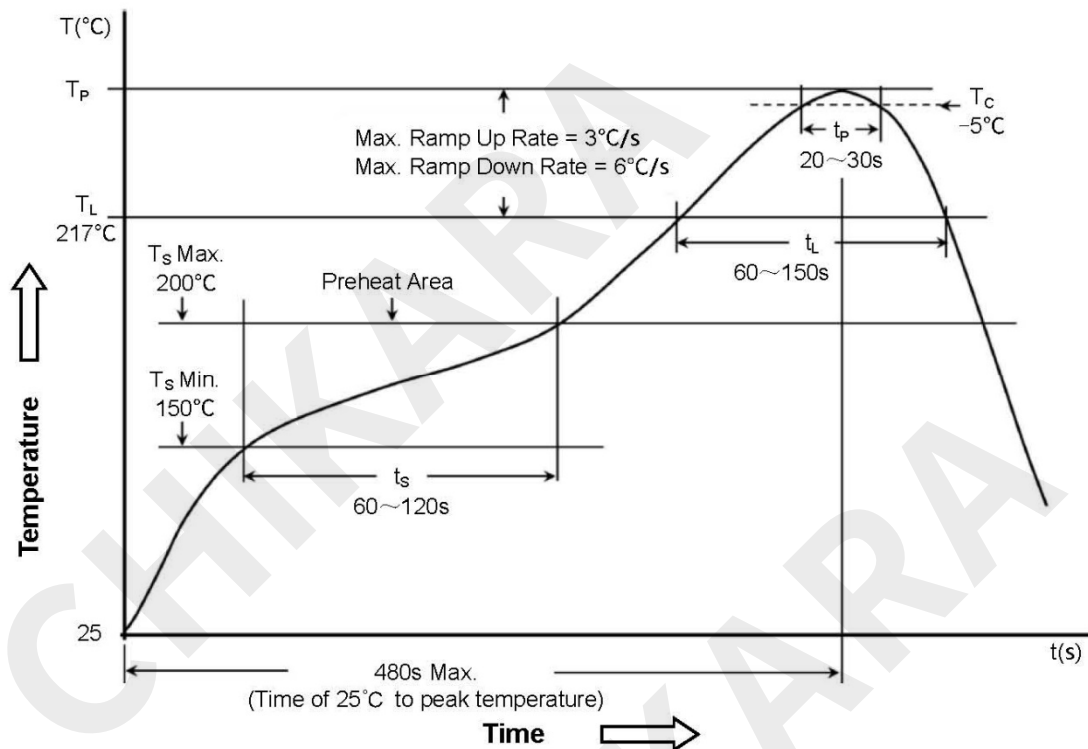
- Package Quantity

Parts per reel

1000Pcs

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