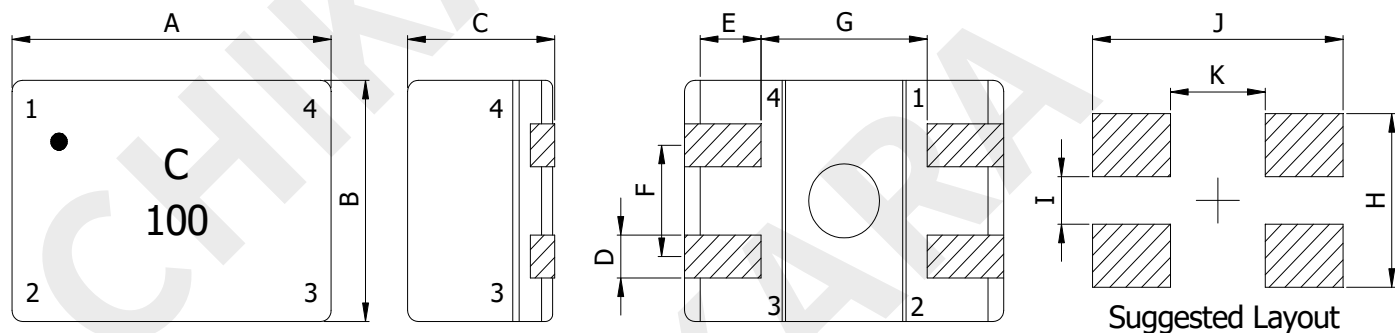


Features

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



Mechanical Dimension(Unit:mm)



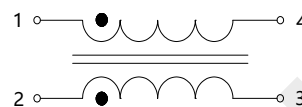
A	B	C	D	E	F	G	H	I	J	K
9.2±0.3	6.0±0.3	5.0±0.3	1.0±0.1	1.4Ref.	2.54±0.2	5.7Ref.	3.74	1.34	9.5	5.5

Part Number Description

SCM05 - 9250 100 N
① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic

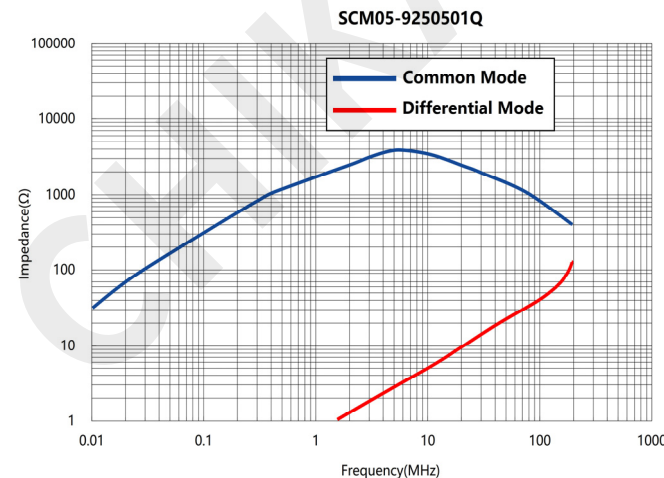
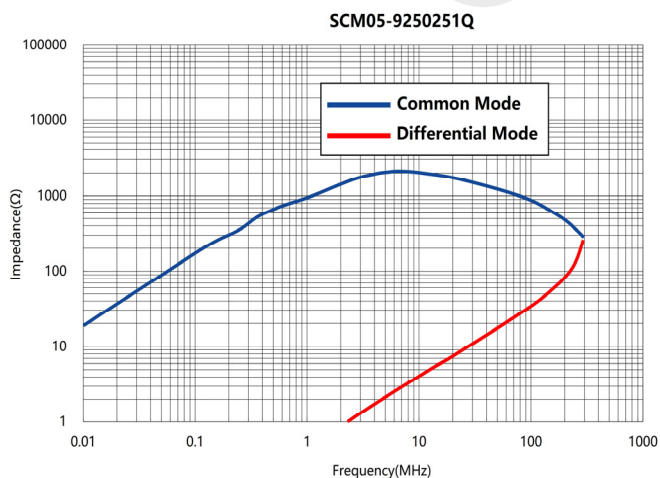
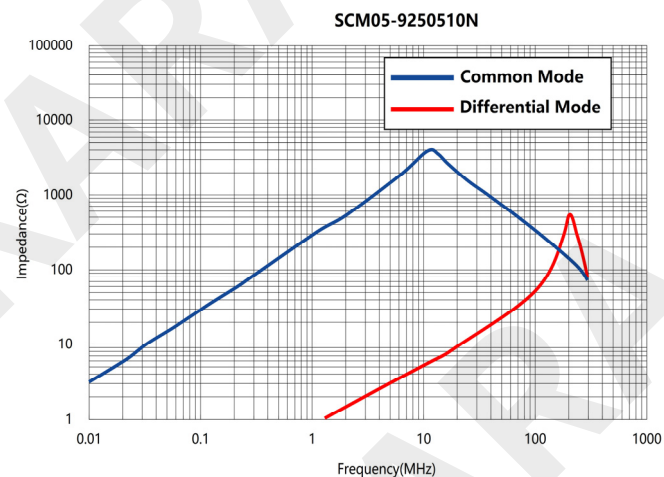
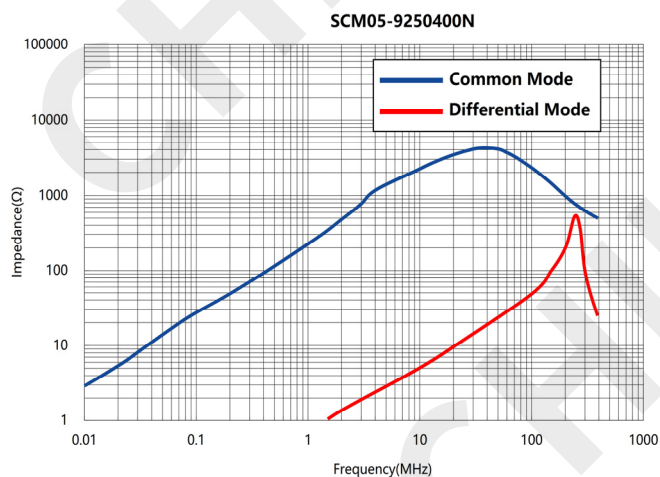
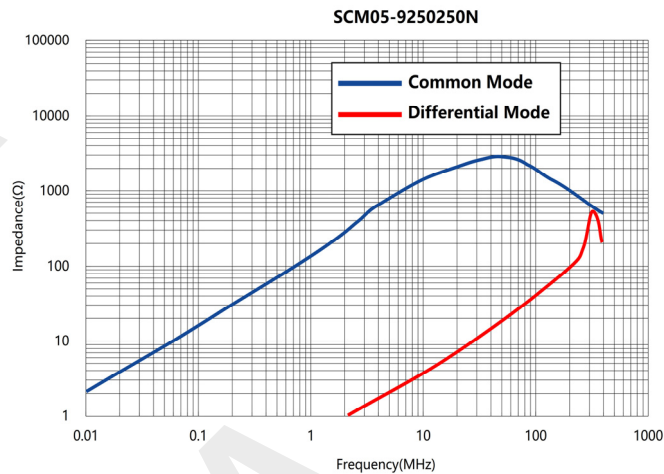
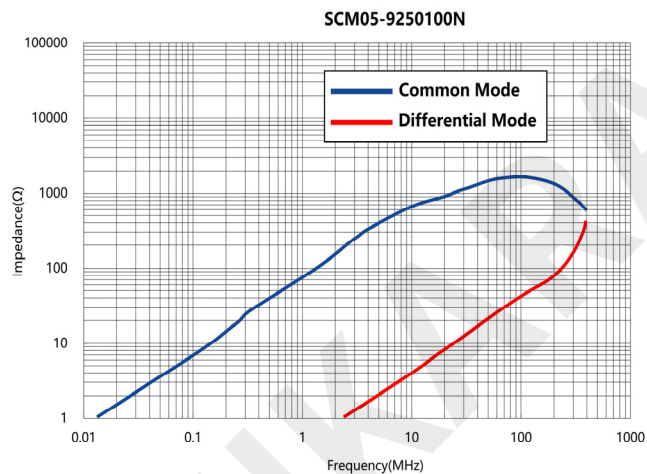


Electrical Characteristic

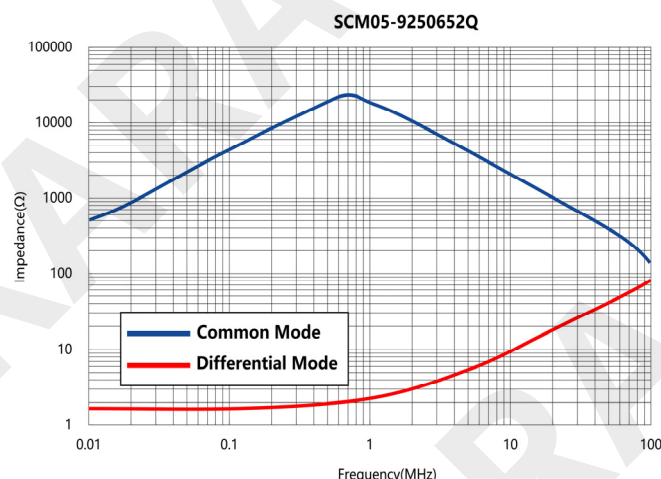
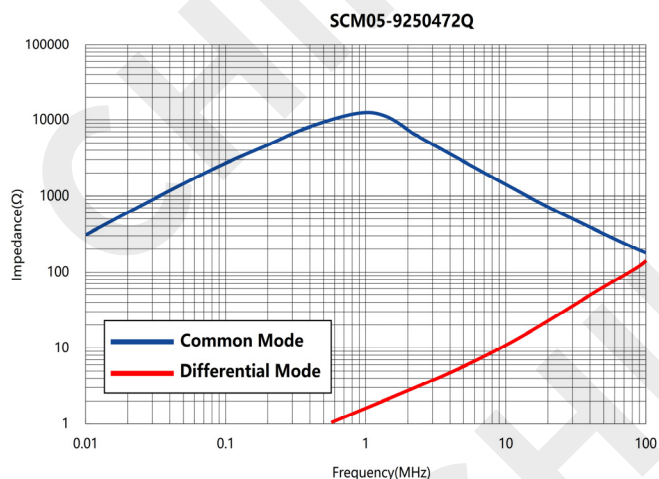
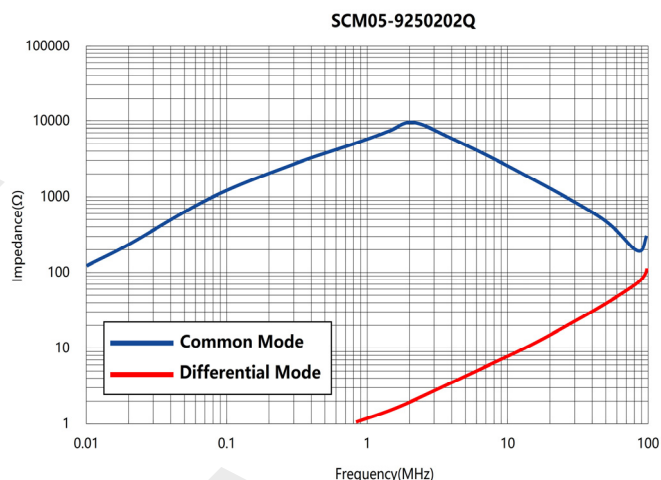
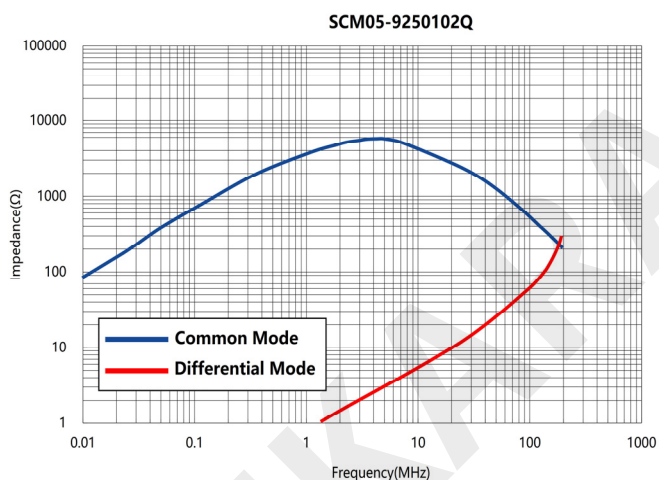
Part Number	Inductance L0(uH)	Max.Impedance (Ω)Typ.	DCR (Ω)Max.	Rated Current (A)Max.	Rated Voltage (V)Max.	Hi-Pot (Coil - Coil)
SCM05-9250100N	10±30%	920	0.08	1.6	80	0.5KV AC/3mA/3S
SCM05-9250250N	25±30%	2800	0.12	1.0	80	0.5KV AC/3mA/3S
SCM05-9250400N	40±30%	3100	0.25	0.9	80	0.5KV AC/3mA/3S
SCM05-9250510N	51±30%	5500	0.16	1.0	80	0.5KV AC/3mA/3S
SCM05-9250251Q	250±50%	1800	0.13	1.2	80	0.5KV AC/3mA/3S
SCM05-9250501Q	500±50%	3300	0.15	1.0	80	0.5KV AC/3mA/3S
SCM05-9250102Q	1000±50%	6000	0.31	0.8	80	0.5KV AC/3mA/3S
SCM05-9250202Q	2000±50%	9200	0.42	0.6	80	0.5KV AC/3mA/3S
SCM05-9250472Q	4700±50%	20000	0.75	0.5	80	0.5KV AC/3mA/3S
SCM05-9250652Q	6500±50%	18400	0.95	0.4	80	0.5KV AC/3mA/3S

- Test frequency and voltage:1KHz,0.1Vrms for 10uH~51uH,100KHz,0.005Vrms for 250uH~6500uH.
- All test data referenced to 25°C ambient.
- Rated current: DC current when temperature of coil increased up to 40°C.

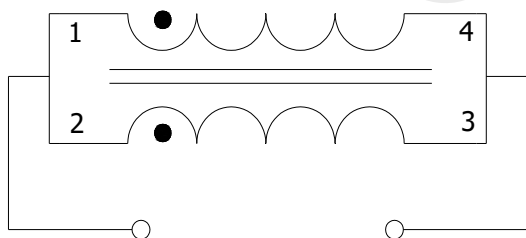
Characteristic Curve (Typical value)



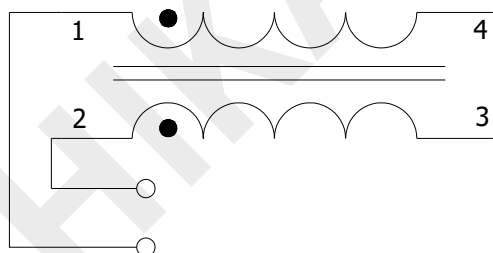
Characteristic Curve (Typical value)



Test Setup

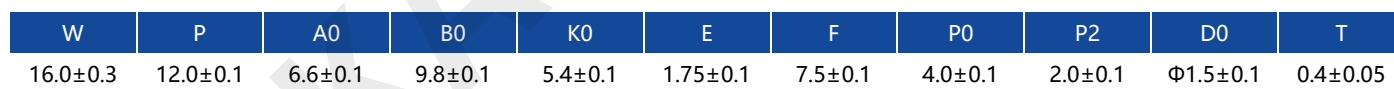


Common Mode



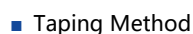
Differential Mode

- Carrier Tape (Unit:mm)

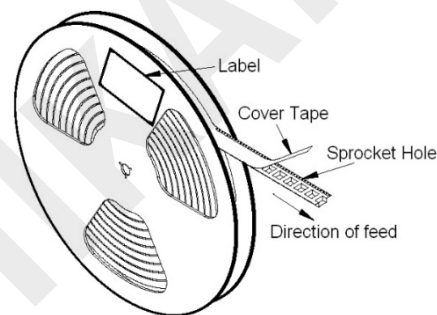


- Reel (Unit:mm)

A	B	C	D
Φ330±1.0	22.1Max.	Φ100±1.0	16.5±0.5



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



✧ The allowable number of empty chip cavities Maximum two (2) chip cavities missing product may exist in a reel but they may not be consecutive two cavities.

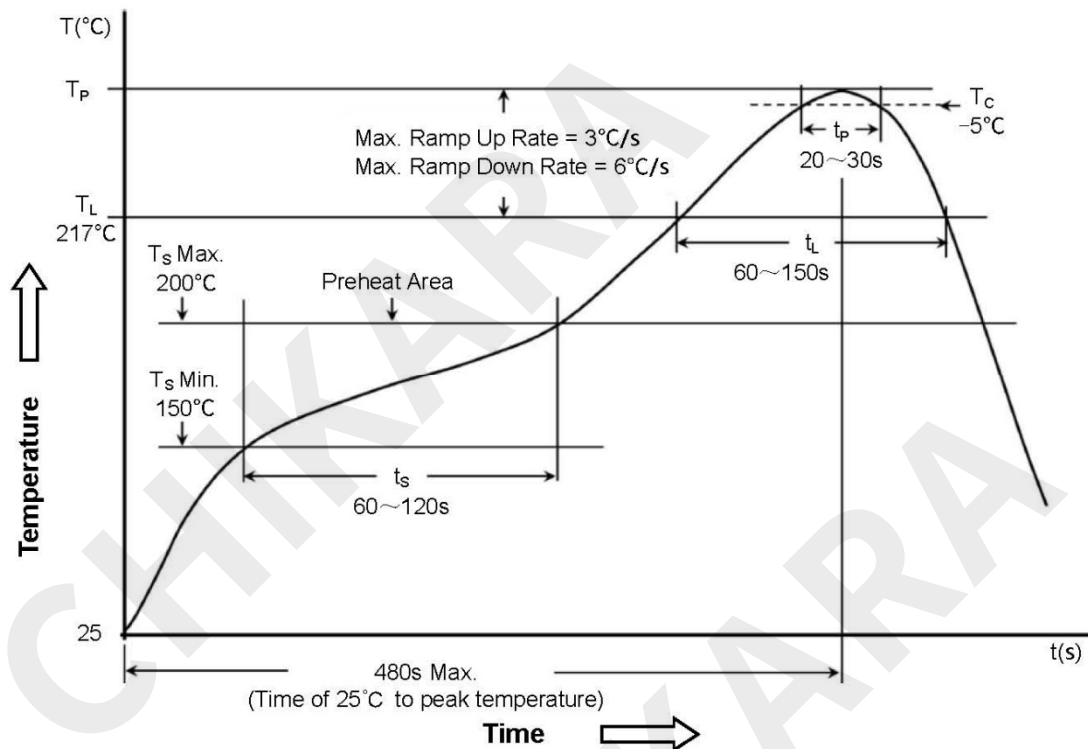
- Package Quantity

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