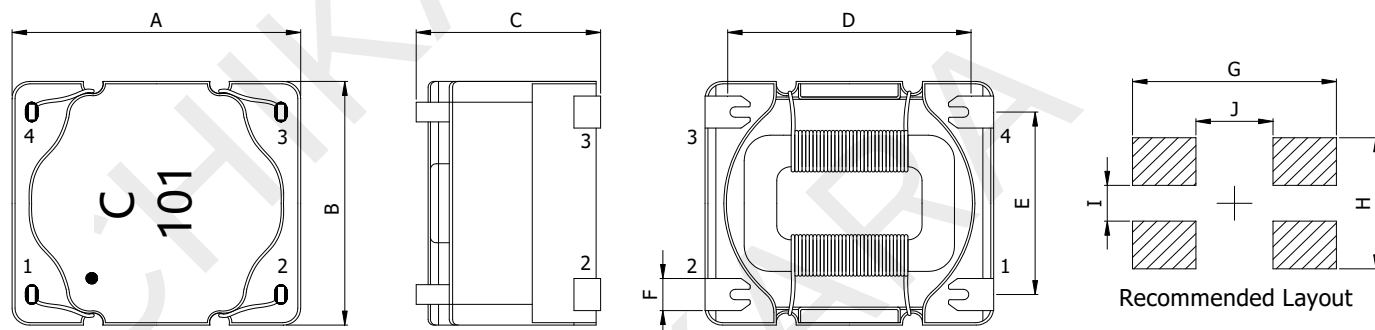


Features

- 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:800pcs. Per 13-inch reel
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G	H	I	J
10±0.3	8.7±0.3	6.5Max.	7.62±0.1	6.22±0.1	1.4Ref.	11.5	8.92	3.52	6.1

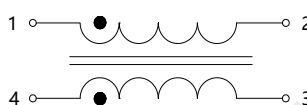
Part Number Description

SCM06 - 100065 R 101 V

① ② ③ ④ ⑤

①	Type
②	Dimensions
③	Core shape code
④	Inductance value
⑤	Tolerance code

Electrical Schematic

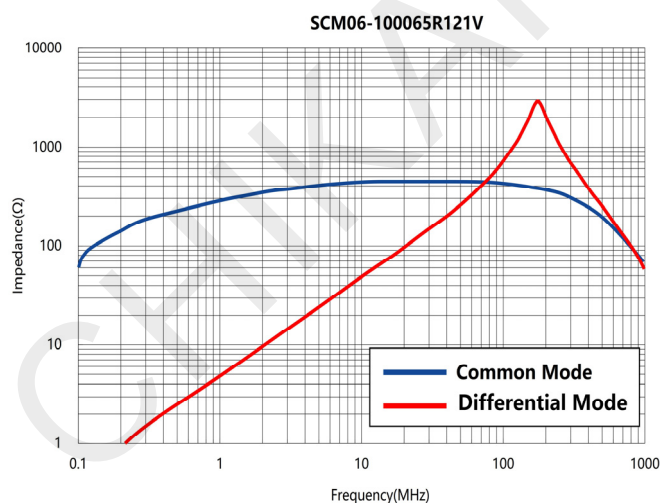
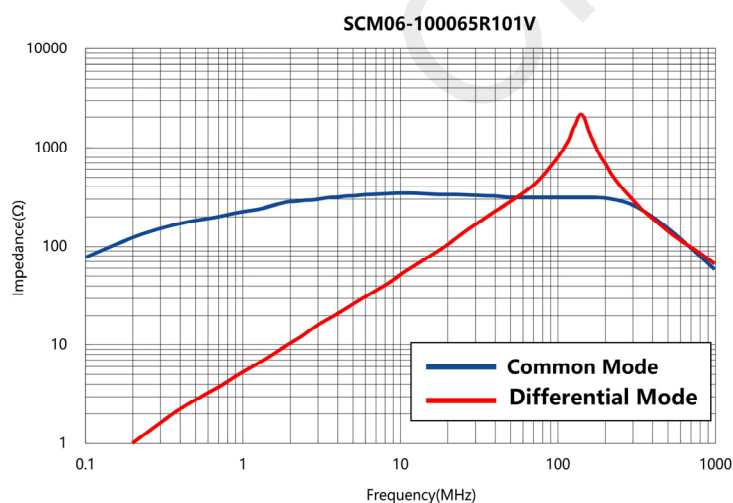


Electrical Characteristic

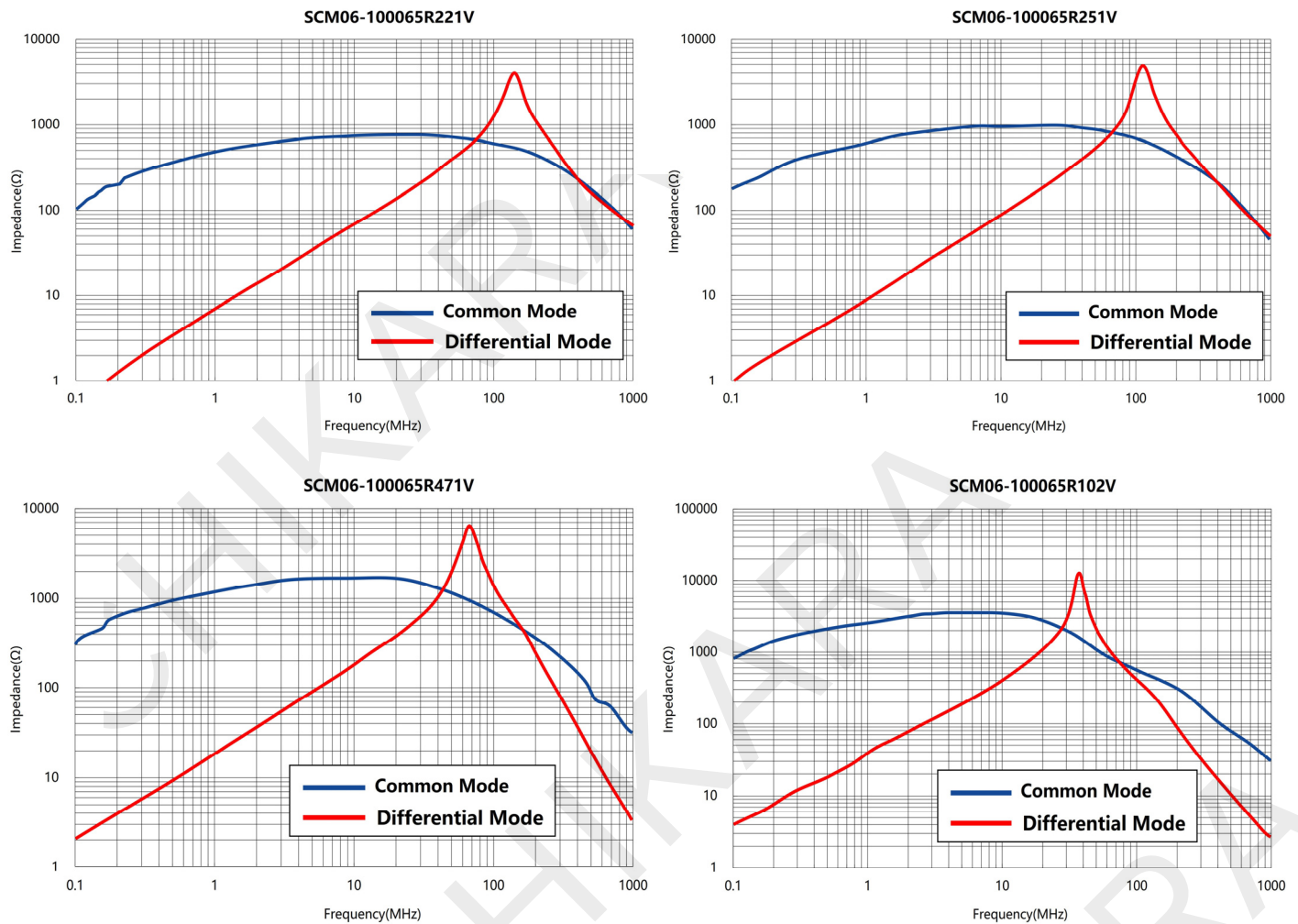
Part Number	Inductance L0(μH)	Max.Impedance (Ω)Typ.	DCR (Ω)Max.	Rated Current (A)Max.	Rated Voltage (V)Max.	Hi-Pot (Coil - Coil)
SCM06-100065R101V	100±40%	350	0.025	3.0	80	1.0KV AC/3mA/60S
SCM06-100065R121V	120±40%	460	0.025	2.5	80	1.0KV AC/3mA/60S
SCM06-100065R221V	220±40%	780	0.032	2.2	80	1.0KV AC/3mA/60S
SCM06-100065R251V	250±40%	970	0.035	2.0	80	1.0KV AC/3mA/60S
SCM06-100065R471V	470±40%	1750	0.065	1.6	80	1.0KV AC/3mA/60S
SCM06-100065R102V	1000±40%	3600	0.180	0.95	80	1.0KV AC/3mA/60S

- Test frequency and voltage:100KHz,0.1Vrms.
- All test data referenced to 25°C ambient.
- Rated current: DC current when temperature of coil increased up to 45°C.

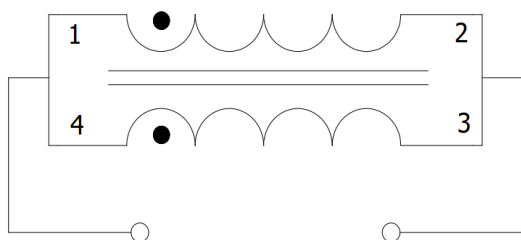
Characteristic Curve (Typical value)



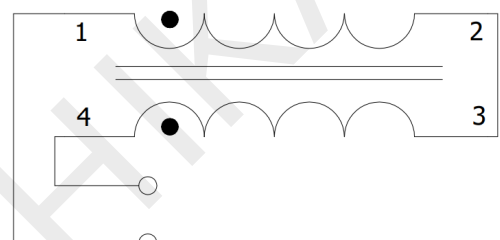
Characteristic Curve (Typical value)



Test Setup



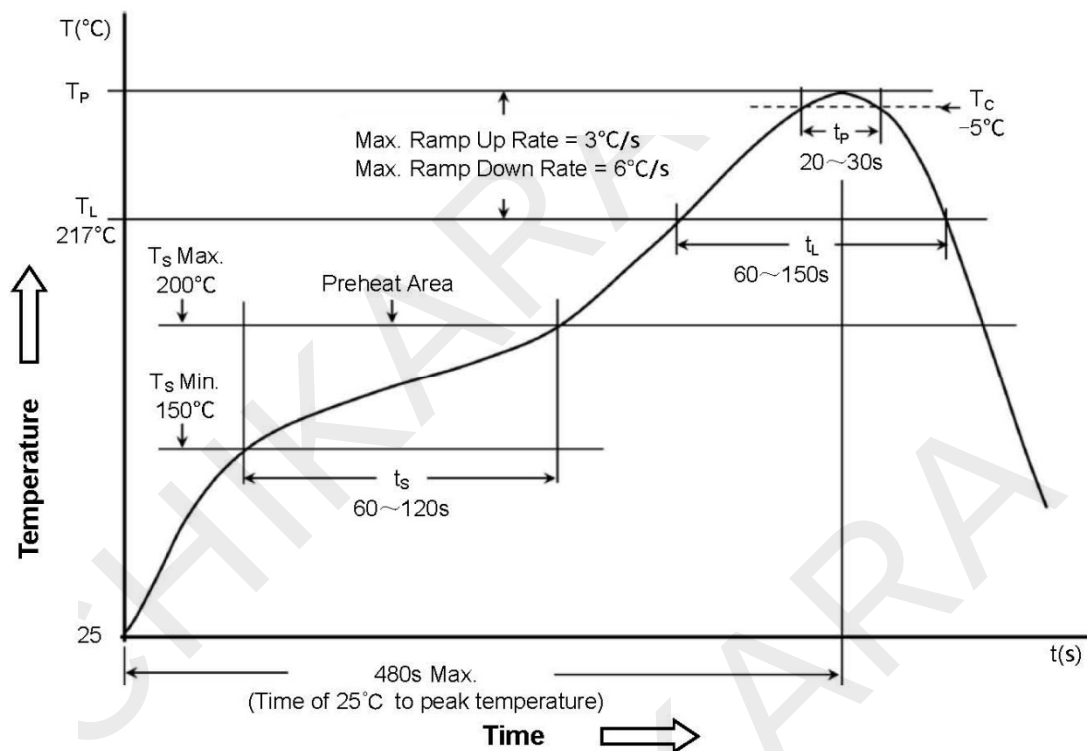
Common Mode



Differential Mode

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