

# SCM Series

## SMD Common Mode Inductor

### Size 6536



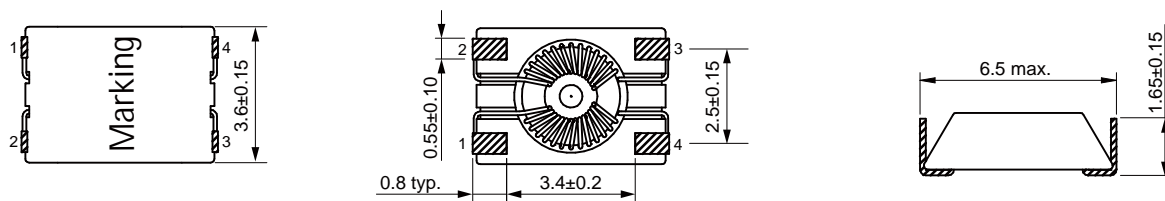
#### FEATURES

- Chip common mode filter for large current applications.
- Low profile design makes it optimal for surface mounting.
- Operating temperature -40~+105 C
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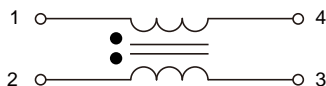
#### APPLICATIONS

- Power line noise countermeasure for various electronic equipment
- Noise countermeasure for adapter lines and battery lines or larger electronic equipment such as note PCs and word processors

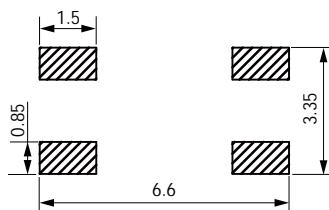
#### Dimensions: [mm]



#### Schematic:



#### Land Pattern: [mm]

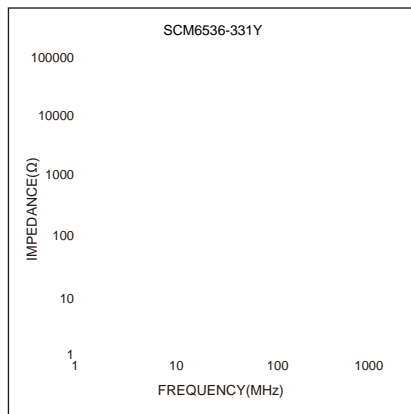
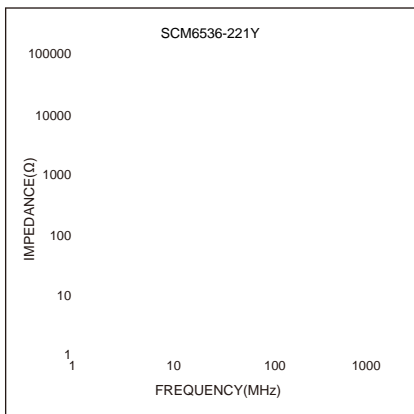
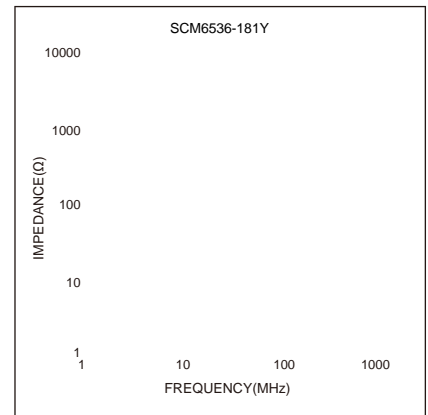
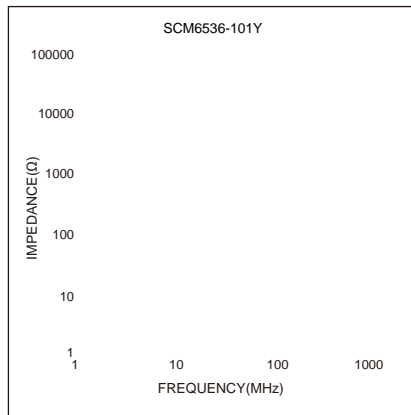
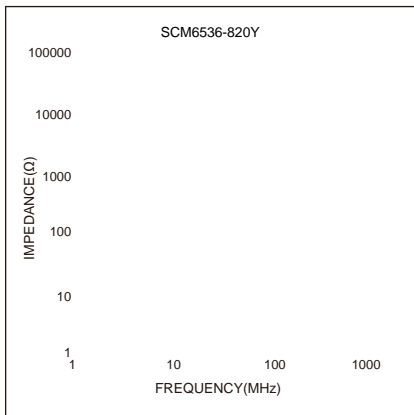
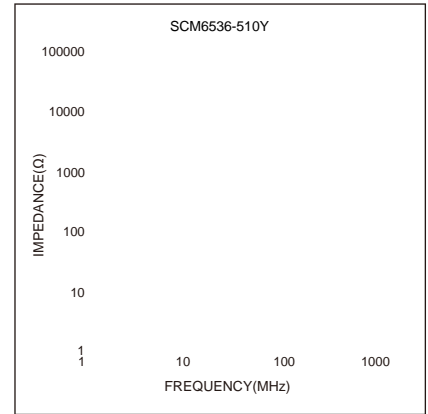
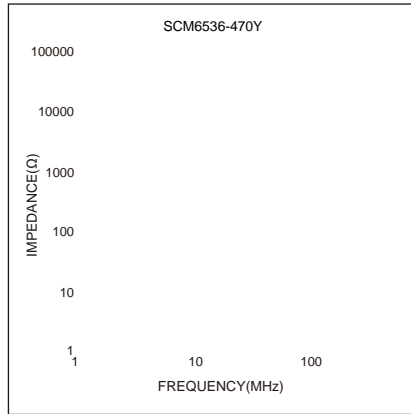
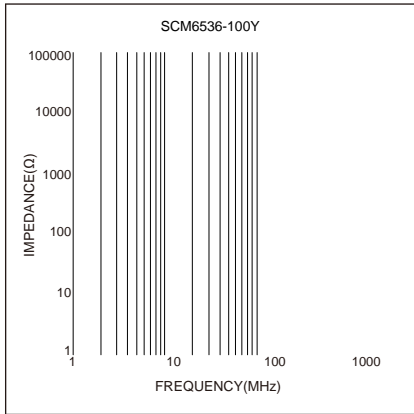


#### Electrical Properties:

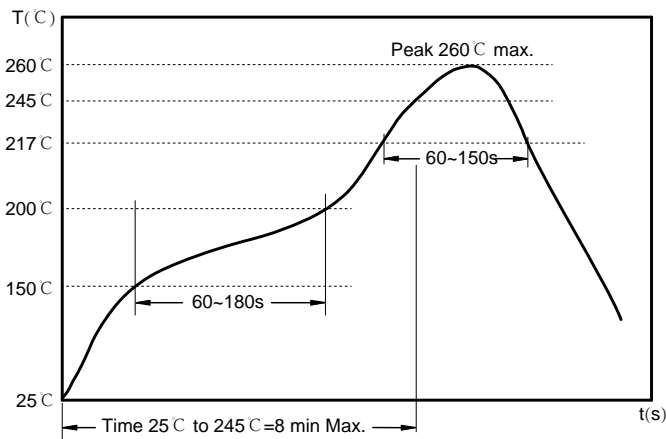
	( $\mu\text{H}$ )		( $\Omega$ )			( $\Omega$ )		
SCM6536-100Y	10	580	0.24	0.3	80	1200	35-570	250
SCM6536-470Y	47	280	0.16	0.3	80	300	4-1600	250
SCM6536-510Y	51	270	0.16	0.3	80	300	4-1600	250
SCM6536-820Y	82	370	0.20	0.3	80	440	3-850	250
SCM6536-101Y	100	530	0.22	0.3	80	500	3-660	250
SCM6536-181Y	180	760	0.25	0.3	80	1000	3-250	250
SCM6536-221Y	220	950	0.28	0.3	80	1200	3-210	250
SCM6536-331Y	330	1300	0.30	0.3	80	2000	3-120	250

Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}\text{C}$

# Typical Electrical Characteristics:



## Soldering Reflow:



Preheat condition: 150 ~200°C / 60~180 sec.

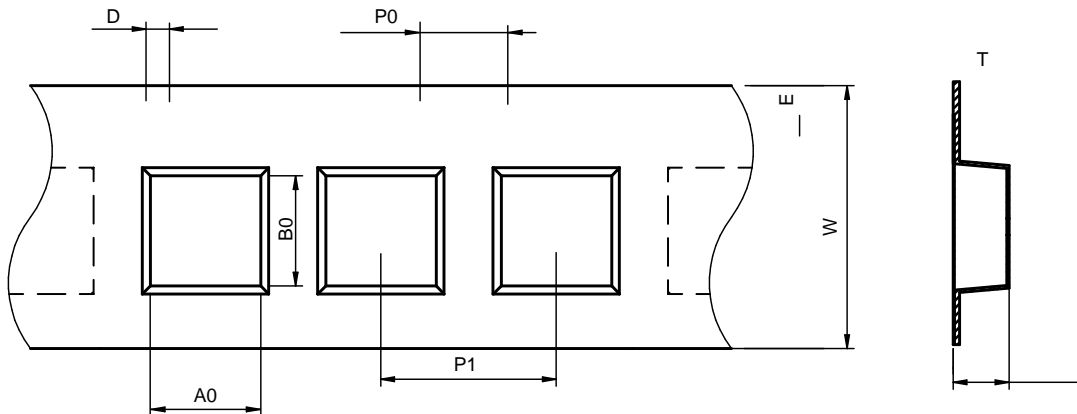
Allowed time above 217°C: 60~150 sec.

Max temperature: 260°C.

Max time at max temperature: 10 sec.

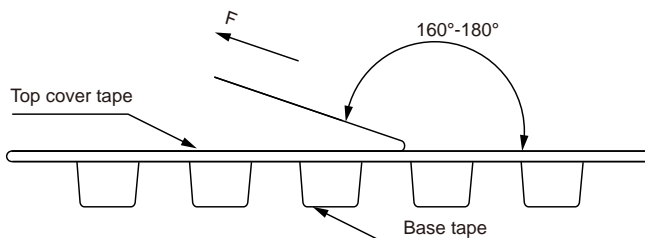
## Packaging Information:

### Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
SCM6536	4.20±0.1	6.80±0.1	1.5±0.1	4.0±0.1	8.0±0.1	12.0±0.3	2.1±0.1	1.75±0.1	0.30±0.05

### Peel force of top cover tape:



The peel force of top cover tape shall be between 0.1 to 1.17 N

Reel Dimension: [mm]



Packaging Quantity: