

**SCM Series**  
Common Mode Choke Coil  
Size 1009



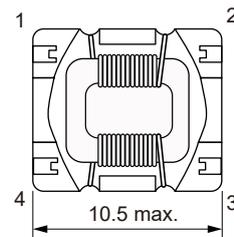
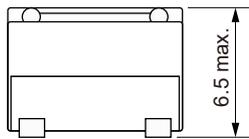
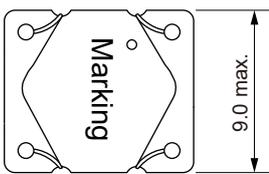
**FEATURES**

- Chip common mode filter for large current applications.
- Low profile design makes it optimal for surface mounting.
- Operating temperature -40~+125 C
- Quantity:800pcs

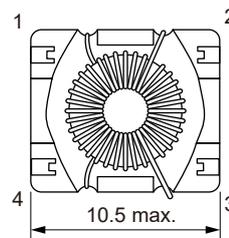
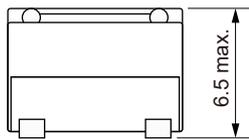
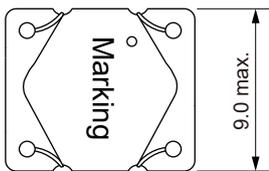
**APPLICATIONS**

- 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

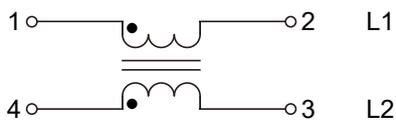
Dimensions: [mm] ≤1000μH



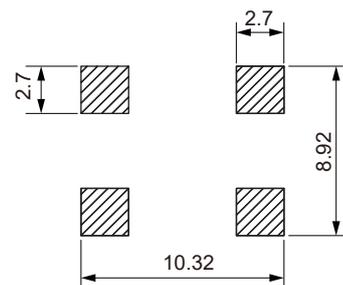
Dimensions: [mm] ≥2200μH



Schematic:



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance 100KHz/0.1V ( $\mu$ H)	Tolerance	Temperature Rise Current Max. (A)	DC Resistance Max. (m $\Omega$ )	Impedance Min. ( $\Omega$ )	Frequency (MHz)
SCM1009B-121Y	120	$\pm$ 40%	2.5	25	200	10~200
SCM1009B-221Y	220	$\pm$ 40%	2.2	32	350	7~150
SCM1009B-251Y	250	$\pm$ 40%	2.0	35	400	5~100
SCM1009B-471Y	470	$\pm$ 40%	1.6	65	900	2~40
SCM1009B-102Y	1000	$\pm$ 40%	1.0	180	1400	1~40
SCM1009B-222Y	2200	$\pm$ 40%	0.8	300	3400	1~11
SCM1009B-332Y	3300	$\pm$ 40%	0.65	360	4400	0.9~7
SCM1009B-392Y	3900	$\pm$ 40%	0.52	540	5000	0.7~6
SCM1009B-472Y	4700	$\pm$ 40%	0.35	720	6200	0.6~3

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

Typical Electrical Characteristics:

