

SCM Series
SMD Common Mode Inductor
Size 5020



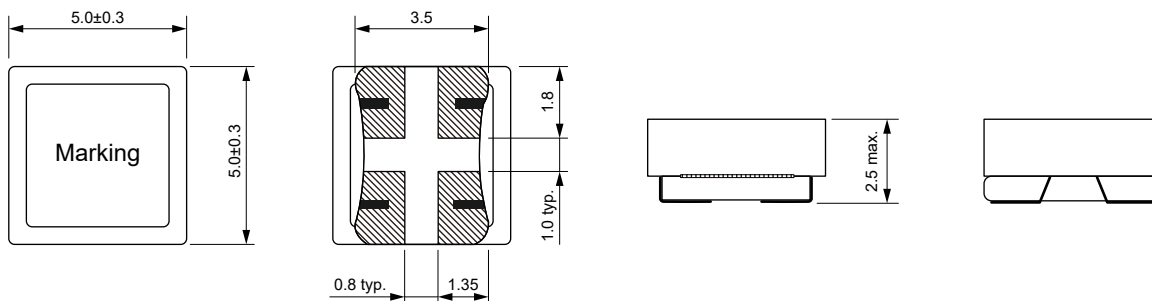
FEATURES

- Chip common mode filter for large current applications.
- Optimal for surface mounting with low profile 2.5 mm.
- Operating temperature -40~+125 °C

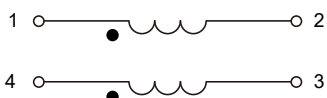
APPLICATIONS

- Countermeasure of Common mode noise in power lines for various devices

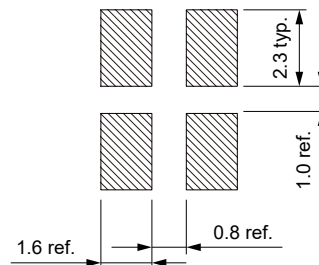
Dimensions: [mm]



Schematic:



Land Pattern: [mm]



Electrical Properties:

Part No	Impedance @ 100 MHz Min. (Ω)	Impedance @ 100 MHz Typ. (Ω)	Tolerance	DC Resistance Max. (Ω)	Temperature Rise Current Max. (A)	Rated Volt (V)	Withstand Volt (V)	IR Min. (MΩ)
SCM5020-101Y	60	100	±35%	0.015	6.0	50	125	10
SCM5020-251Y	120	250	±35%	0.020	5.0	50	125	10
SCM5020-501Y	200	500	±35%	0.030	4.0	50	125	10
SCM5020-102Y	400	1000	±35%	0.045	2.0	50	125	10
SCM5020-142Y	450	1400	±35%	0.055	1.5	50	125	10

Temperature Rise Current will cause the coil temperature rise approximately Δt40 °C

Typical Electrical Characteristics:

Impedance VS Frequency

