

Common Mode Choke Coil

Fixed Inductor for Surface Mounting

SCF2012-12NN Series

Construction

- Ferrite Material



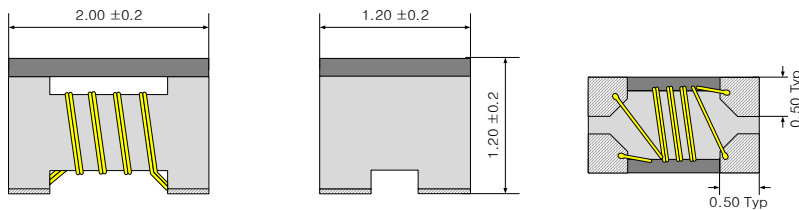
Features

- Operating temperature $-40 \sim +125^{\circ}\text{C}$ (Including self temperature)
- 100% Lead(Pb)& Halogen-Free and RoHS compliant
- High common mode impedance at high frequency effects excellent noise suppression performance.
- realizes small size and low profile $2.0 \times 1.2 \times 1.2 \text{ mm}$.

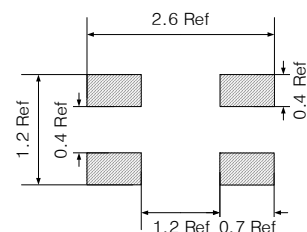
Applications

- Power switch and servers
- USB communication
- Telecommunication applications
- Panel link for LCD panels
- Countering common mode noise affecting signals in high-speed lines

Dimensions(Unit:mm)



Recommended Land Pattern(Unit:mm)



Electrical Characteristics

Ordering code	Impedance (Ω ,100MHz)	DCR (m Ω ,MAX)	IR (M Ω ,MIN)	Withstand Volt (V,MAX)	Rated Voltage (Vdc,MAX)	Irms (mA,MAX)
SCF2012-300V-12NN	30.0 \pm 25%	200.0	10.0	125.0	50.0	500.0
SCF2012-500V-12NN	50.0 \pm 25%	250.0	10.0	125.0	50.0	450.0
SCF2012-750V-12NN	75.0 \pm 25%	250.0	10.0	125.0	50.0	400.0
SCF2012-900V-12NN	90.0 \pm 25%	300.0	10.0	125.0	50.0	400.0
SCF2012-101V-12NN	100.0 \pm 25%	300.0	10.0	125.0	50.0	400.0
SCF2012-121V-12NN	120.0 \pm 25%	300.0	10.0	125.0	50.0	400.0
SCF2012-161V-12NN	160.0 \pm 25%	350.0	10.0	125.0	50.0	350.0
SCF2012-181V-12NN	180.0 \pm 25%	350.0	10.0	125.0	50.0	350.0
SCF2012-201V-12NN	200.0 \pm 25%	350.0	10.0	125.0	50.0	300.0
SCF2012-221V-12NN	220.0 \pm 25%	350.0	10.0	125.0	50.0	300.0

*Notes

*Irms : DC current (A) that will cause an approximately ΔT of 40°C

*Specifications subject to change without notice. Please check our website for latest information.

Revised 06/02/26

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Ordering code	Impedance (Ω ,100MHz)	DCR (m Ω ,MAX)	IR (M Ω ,MIN)	Withstand Volt (V,MAX)	Rated Voltage (Vdc,MAX)	Irms (mA,MAX)
SCF2012-251V-12NN	250.0 \pm 25%	400.0	10.0	125.0	50.0	300.0
SCF2012-261V-12NN	260.0 \pm 25%	400.0	10.0	125.0	50.0	300.0
SCF2012-301V-12NN	300.0 \pm 25%	400.0	10.0	125.0	50.0	290.0
SCF2012-361V-12NN	360.0 \pm 25%	400.0	10.0	125.0	50.0	290.0
SCF2012-371V-12NN	370.0 \pm 25%	450.0	10.0	125.0	50.0	280.0
SCF2012-481V-12NN	480.0 \pm 25%	550.0	10.0	125.0	50.0	200.0
SCF2012-501V-12NN	500.0 \pm 25%	550.0	10.0	125.0	50.0	200.0
SCF2012-601V-12NN	600.0 \pm 25%	550.0	10.0	125.0	50.0	200.0
SCF2012-671V-12NN	670.0 \pm 25%	600.0	10.0	125.0	50.0	180.0
SCF2012-681V-12NN	680.0 \pm 25%	700.0	10.0	125.0	50.0	180.0
SCF2012-751V-12NN	750.0 \pm 25%	800.0	10.0	125.0	50.0	150.0
SCF2012-801V-12NN	800.0 \pm 25%	880.0	10.0	125.0	50.0	150.0
SCF2012-901V-12NN	900.0 \pm 25%	1,000	10.0	125.0	50.0	100.0
SCF2012-102V-12NN	1,000 \pm 25%	1,000	10.0	125.0	50.0	100.0
SCF2012-222V-12NN	2,200 \pm 25%	1,200	10.0	125.0	50.0	80.0

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