

Common Mode Choke Coil

Fixed Inductor for Surface Mounting

SCF2012-12NC Series

Construction

- Ferrite Material

Features

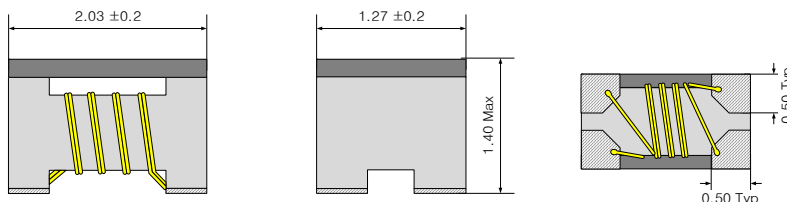
- Qualified to AEC-Q200
- Operating temperature $-40 \sim +125^{\circ}\text{C}$ (Including self temperature)
- 100% Lead(Pb)& Halogen-Free and RoHS compliant
- High common mode impedance at high frequency effects excellent noise suppression performance.
- realizes small size and low profile 2.0*1.2*1.2 mm.



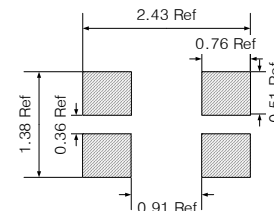
Applications

- 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)	Rated Voltage (Vdc,MAX)	Withstand Volt (V)	Irms (mA,MAX)
SCF2012-300V-12NC	30.0 \pm 25%	150.0	10.0	50	125	500.0
SCF2012-500V-12NC	50.0 \pm 25%	170.0	10.0	50	125	450.0
SCF2012-750V-12NC	75.0 \pm 25%	180.0	10.0	50	125	400.0
SCF2012-900V-12NC	90.0 \pm 25%	190.0	10.0	50	125	400.0
SCF2012-101V-12NC	100.0 \pm 25%	300.0	10.0	50	125	400.0

*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 04/02/26

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SCF2012-121V-12NC	120.0 \pm 25%	300.0	10.0	50	125	400.0
SCF2012-161V-12NC	160.0 \pm 25%	350.0	10.0	50	125	350.0
SCF2012-181V-12NC	180.0 \pm 25%	350.0	10.0	50	125	350.0
SCF2012-201V-12NC	200.0 \pm 25%	350.0	10.0	50	125	300.0
SCF2012-221V-12NC	220.0 \pm 25%	350.0	10.0	50	125	300.0
SCF2012-261V-12NC	260.0 \pm 25%	400.0	10.0	50	125	300.0
SCF2012-301V-12NC	300.0 \pm 25%	400.0	10.0	50	125	290.0
SCF2012-361V-12NC	360.0 \pm 25%	450.0	10.0	50	125	280.0
SCF2012-501V-12NC	500.0 \pm 25%	550.0	10.0	50	125	200.0
SCF2012-601V-12NC	600.0 \pm 25%	550.0	10.0	50	125	200.0
SCF2012-681V-12NC	680.0 \pm 25%	700.0	10.0	50	125	180.0
SCF2012-751V-12NC	750.0 \pm 25%	800.0	10.0	50	125	150.0
SCF2012-801V-12NC	800.0 \pm 25%	880.0	10.0	50	125	150.0
SCF2012-901V-12NC	900.0 \pm 25%	1,000	10.0	50	125	100.0
SCF2012-102V-12NC	1,000 \pm 25%	1,000	10.0	50	125	100.0

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