

Common Mode Choke Coil

Fixed Coil for Surface Mounting

SCF9070-48NC Series

Construction

- Ferrite Material



Features

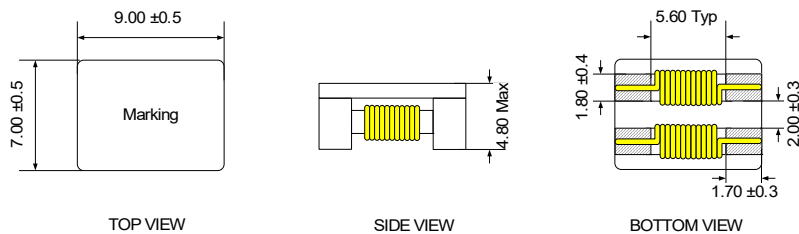
- Operating temperature $-40 \sim +125^{\circ}\text{C}$
(Including self - temperature rise)
- Qualified to AEC-Q200
- 100% Lead(Pb)& Halogen-Free and RoHS compliant
- High common mode impedance at high frequency effects excellent noise suppression performance.
- realizes small size and low profile



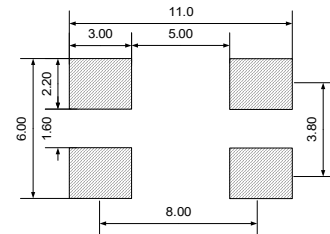
Applications

- 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	Inductance (μH , 100kHz, 0.1V)	Impedance(Ω , 100MHz, 0.1V)		DCR ($\text{m}\Omega$, MAX)	Rated Current (A, MAX)	IR ($\text{M}\Omega$, MIN)	Rated Voltage (V, MAX)	Marking
		MIN	TYP					
SCF9070-301-48NC	1.40 \pm 50%	225	300	6.0	6.00	10.0	80.0	301
SCF9070-501-48NC	2.20 \pm 50%	375	500	8.0	5.50	10.0	80.0	501
SCF9070-701-48NC	3.20 \pm 50%	500	700	10.0	5.00	10.0	80.0	701
SCF9070-102-48NC	5.60 \pm 50%	750	1000	13.0	4.00	10.0	80.0	102
SCF9070-132-48NC	7.00 \pm 50%	1000	1300	20.0	3.50	10.0	80.0	132
SCF9070-152-48NC	7.20 \pm 50%	1200	1500	20.0	3.50	10.0	80.0	152
SCF9070-202-48NC	9.00 \pm 50%	1500	2000	30.0	3.50	10.0	80.0	202
SCF9070-222-48NC	10.8 \pm 50%	1700	2200	50.0	3.00	10.0	80.0	222
SCF9070-272-48NC	12.8 \pm 50%	2000	2700	80.0	2.00	10.0	80.0	272
SCF9070-302-48NC	15.0 \pm 50%	2500	3000	80.0	2.00	10.0	80.0	302

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

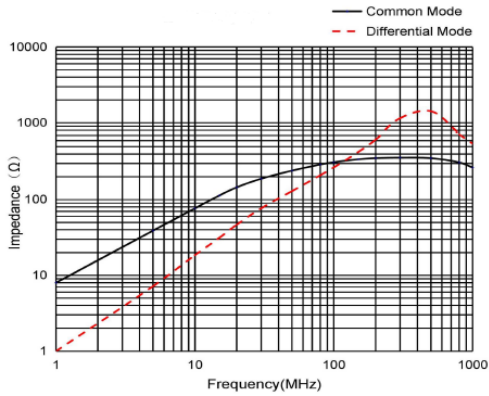
Revised 23/09/25

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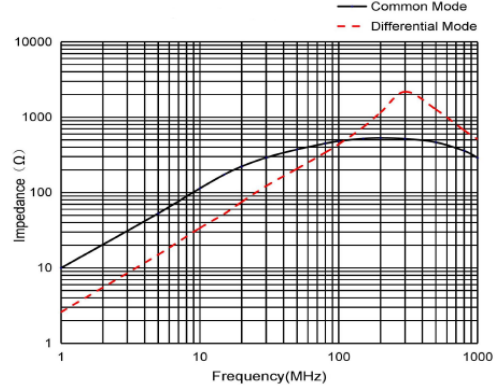
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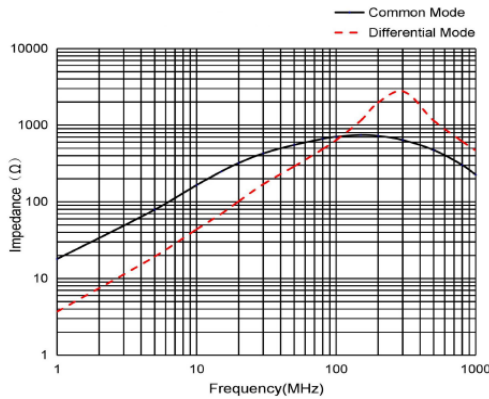
*SCF9070-301-48NC



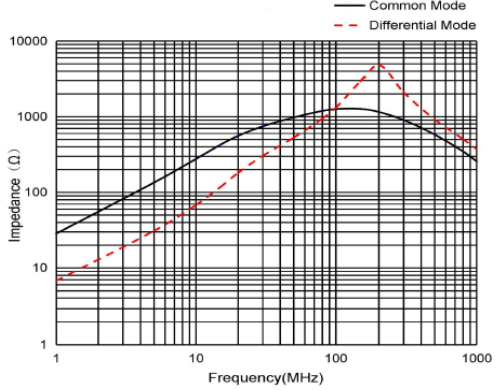
*SCF9070-501-48NC



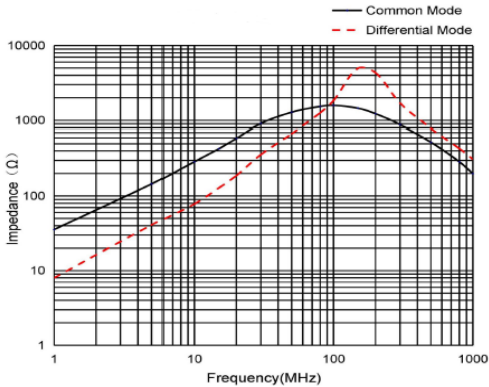
*SCF9070-701-48NC



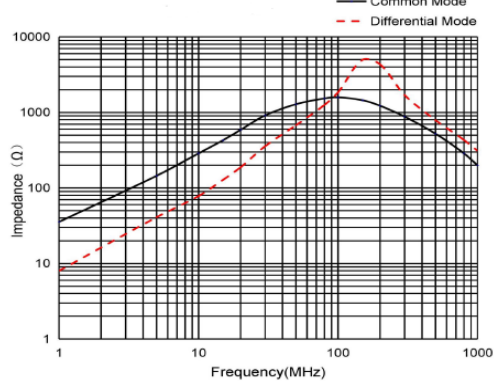
*SCF9070-102-48NC



*SCF9070-132-48NC



*SCF9070-152-48NC



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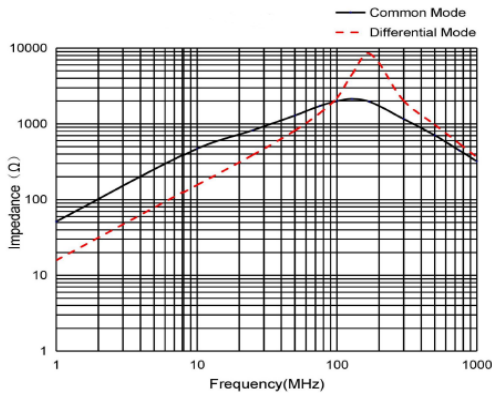
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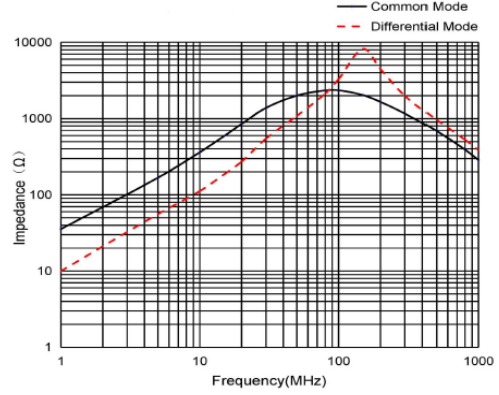
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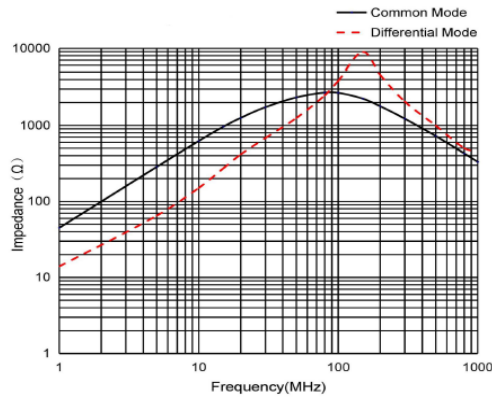
*SCF9070-202-48NC



*SCF9070-222-48NC



*SCF9070-272-48NC



*SCF9070-302-48NC

