

SCF-X Three-Phase Line Filters

Overview

The SCF-X series are three-phase common mode chokes suitable for EMC countermeasures in consumer and industrial applications. The core material is made of nanocrystal metal. Two core sizes, $\phi 47$ (in vertical or horizontal versions) and $\phi 56$ (only in horizontal type), are available for a total of 20 items. The rated voltage is 500 V AC/DC, and the rated current ranges from 20 to 80 A. The optimum specifications can be selected according to various applications.

Benefits

- Nanocrystalline metal core
- Rated voltage up to 500 V AC/DC
- High impedance
- Operating temperature range from -40°C to +130°C
- UL 94 V-0 flame retardant rated base and cap

Applications

- Room air conditioner
- Package air conditioner
- Power conditioner
- Robot
- Inverter-applied industrial equipment

Electrical Characteristics

- Two different layouts (vertical / horizontal)
- Two different core dimensions (47 / 56 mm)
- Rated current range: 20 A to 80 A
- Inductance range: 0.34 to 3.21 mH
- DCR: 0.55 to 3.52 m Ω
- Operating temperature: -40°C to +130°C



SCF47-JV

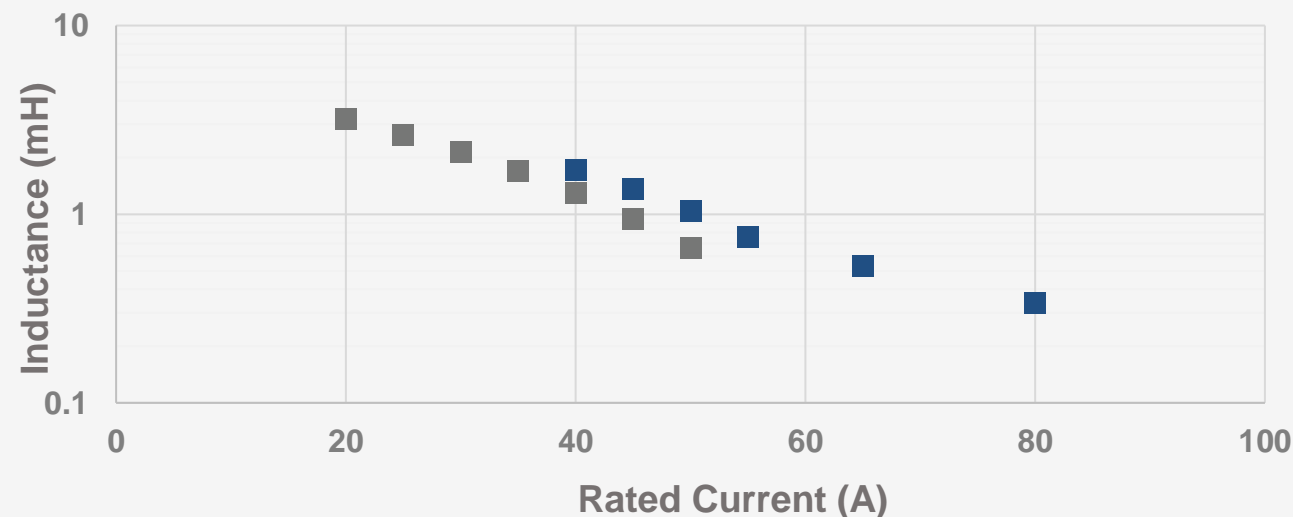


SCF47-JH



SCF56-JH

Selection Guide



■ SCF47X

■ SCF56X

Part Number System

SCF	47	X-	200-	S	1R8	B	011	JV
Series	Outer Core Diameter	Approval	Rated Current	Phase	Wire Diameter	Windings	Number of Turns	Terminal Base Type
SCF = Nanocrystal core	47 = 47 mm ϕ 56 = 56 mm ϕ	X = Commercial	XXX- = XX.X A Example: 200 = 20 A	S = Three-phase	1R8 = 1.8 mm	B = Double C = Triple	011 = 11 turns	JV = Vertical JH = Horizontal