

Overview

The KEMET SCR47 Type AC line filters feature high inductance and high impedance characteristics.

Applications

- Power Conditioner
- Air Conditioner
- Common mode choke

Benefits

- High inductance and high impedance characteristics support large electrical currents.
- Industry's highest standard, high permeability core.
- Inductances up to 1.6 mH
- Rated Currents up to 40 A
- DC Resistances as low as 1.8 mΩ



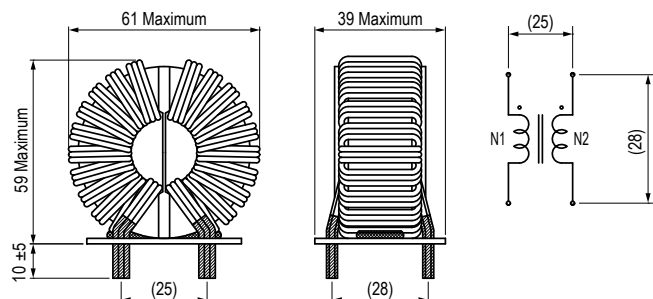
Part Number System

SCR47-	400-	1R9	B	008	JH
Type	Rated Current AC (A)	Wire Diameter (mm)	Windings	Minimum Inductance (mH)	Orientation
SCR47-	350- = 35.0 400- = 40.0	1R6 = 1.6 1R9 = 1.9	C = Triple	008 = 0.8 016 = 1.6	J = Vertical JH = Horizontal

Dimensions – Millimeters

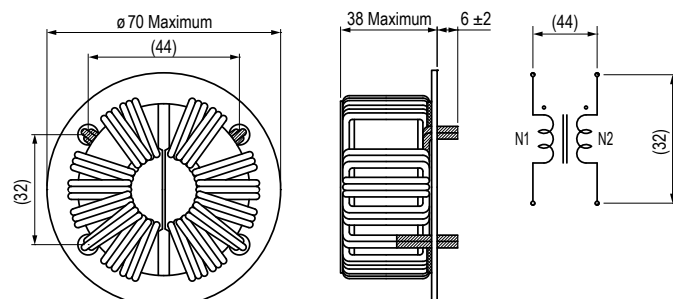
J-Type

SCR47-350-1R6C016J



JH-Type

SCR47-400-1R9C008JH



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

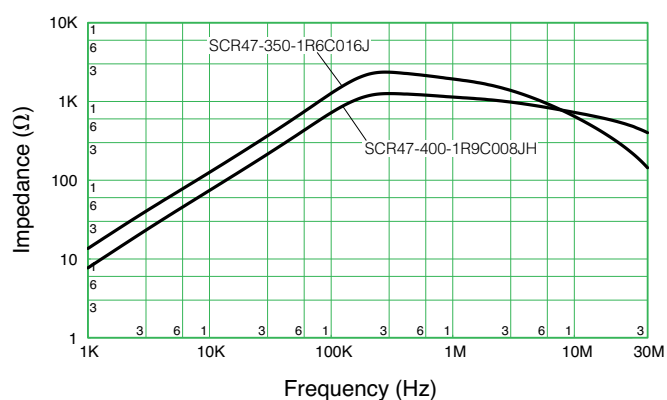
Table 1 – Ratings & Part Number Reference

Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (mΩ) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Weight (g) Approximate
SCR47-350-1R6C016J	35	1.6	3.5	70	1.6 x 3P	200
SCR47-400-1R9C008JH	40	0.8	1.8	50	1.9 x 3P	230

Specifications

Item	SCR47
Rated Voltage	250 VAC/VDC
Withstanding Voltage	2400 VAC (2 seconds, between lines)
Insulation Resistance	> 100 MΩ @ 500 VDC (between lines)
Thermal Class	E (120°C)
Operating Temperature Range	-25°C to T (T = 120 - temperature rise)
Inductance Measurement Condition	10 kHz, 1 mA

Frequency Characteristics



Notes on Use

Shelf Life

- Use within 6 months. If the product is used after a storage period of 6 months or longer, confirm its solderability before use.

Storage Condition

- Avoid storage in high temperature and high humidity environment, as such condition may deteriorate the solderability of external electrode.
- Avoid storage in atmosphere containing toxic gases or acid (e.g., sulphur and chlorine), as such gas may deteriorate the solderability of external electrode.
- Avoid storage near strong magnetic field, as such condition may magnetize the product.

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Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required.