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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## 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



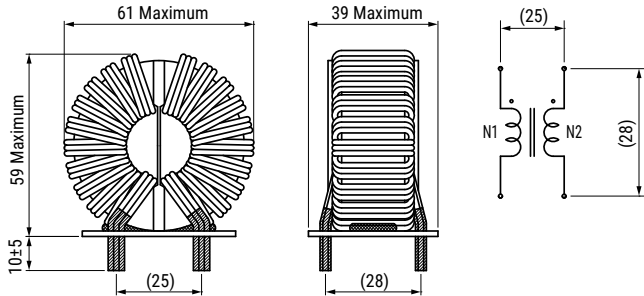
## Part Number System

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

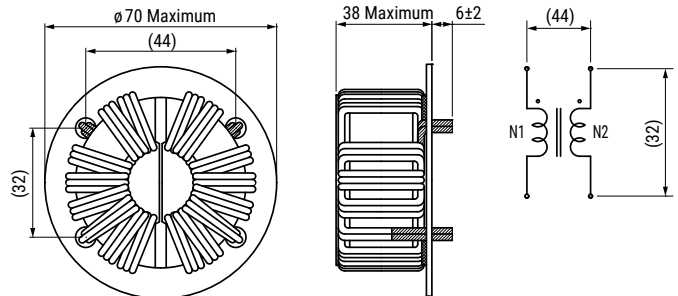
### J-Type

SCR47-350-1R6C016J



### JH-Type

SCR47-400-1R9C008JH



## Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

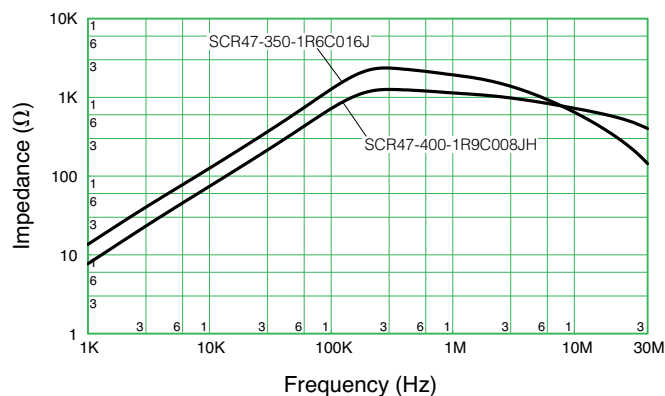
## Table 1 – Ratings & Part Number Reference

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	2,400 VAC (2 seconds, between lines)
Insulation Resistance	> 100 MΩ at 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.

## KEMET Electronics Corporation Sales Offices

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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.

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