

## Overview

The KEMET SCR38 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 1.0 mH
- Rated Currents up to 35 A
- DC Resistances as low as 2.5 mΩ



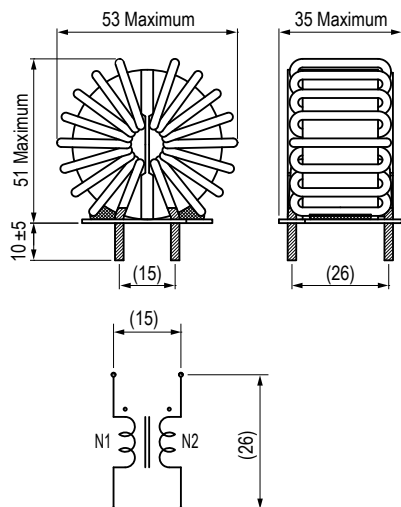
## Part Number System

SCR38-	350-	1R8	B	008	JH
Type	Rated Current AC (A)	Wire Diameter (mm)	Windings	Minimum Inductance (mH)	Orientation
SCR38-	200- = 20.0 350- = 35.0	1R8 = 1.8 2R3 = 2.3	A = Single B = Double	008 = 0.85 (in SCR38 Series only) 010 = 1.0	J = Vertical JH = Horizontal

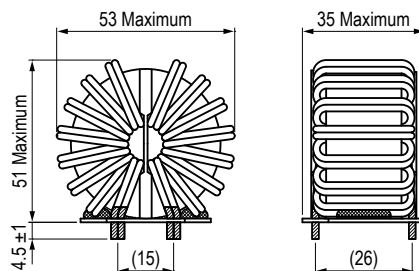
## Dimensions – Millimeters

### J-Type

SCR38-200-2R3A010J

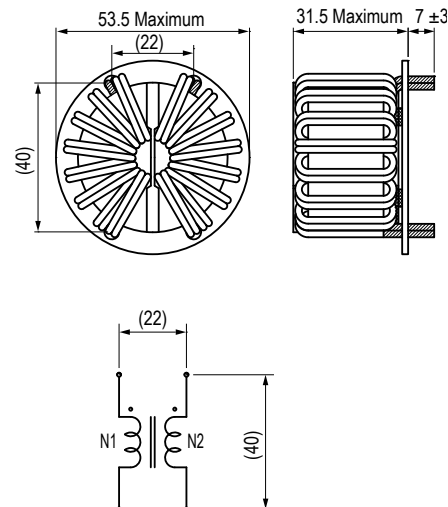


SCR38-350-1R8BE008J



### JH-Type

SCR38-350-1R8B008JH



## Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

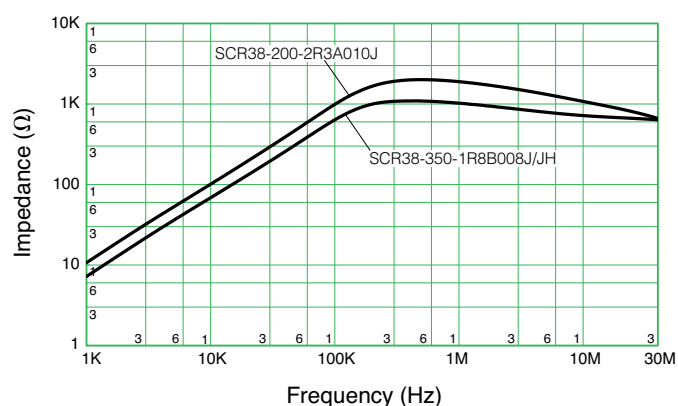
### Table 1 – Ratings & Part Number Reference

Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (mΩ) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Weight (g) Approximate
SCR38-200-2R3A010J	20	1.0	3.5	55	2.3	110
SCR38-350-1R8B008J	35	0.85	2.6	65	1.8 x 2P	120
SCR38-350-1R8B008JH	35	0.85	2.5	65	1.8 x 2P	120

## Specifications

Item	SCR38
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.