

## Overview

The KEMET SC Coils, SC-JV Terminal Base Type AC line filters are offered in a wide variety of sizes and specifications.

## Applications

- Consumer Electronics
- Common mode choke

## Benefits

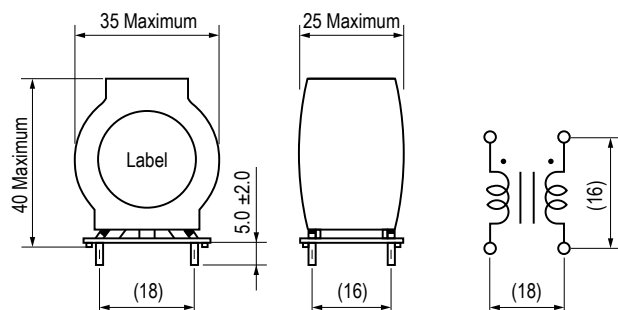
- Wide variety of sizes and specifications
- Inductances up to 44 mH
- Rated Currents up to 5 A
- DC Resistances as low as 100 mΩ



## Part Number System

SC-	02-	300	JV
Series	Rated Current (A)	Minimum Inductance (mH)	Terminal Base Type
SC-	0x- = x A (e.g., 02- = 2 A)	100 = 15 mH +50%, -30% 200 = 29 mH +50%, -30% 300 = 44 mH +50%, -30%	JV

## Dimensions – Millimeters



## Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

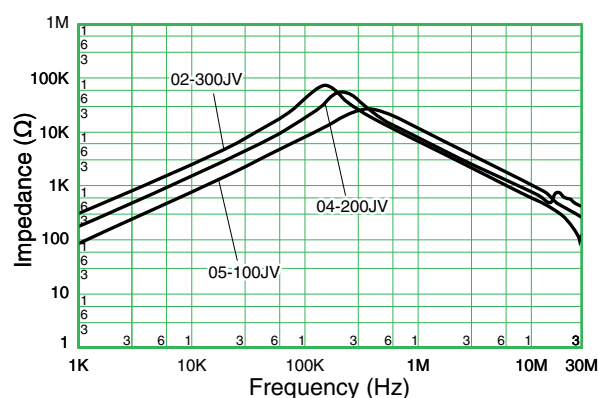
**Table 1 – Ratings & Part Number Reference**

Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (mΩ) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Recognized By	Weight (g) Approximate
SC-02-300JV	2	44 +50%, -30%	300	45	0.6	VDE	45
SC-04-200JV	4	29 +50%, -30%	150	55	0.8	VDE	45
SC-05-100JV	5	15 +50%, -30%	100	55	0.9	VDE	45

## Specifications

Item	SC-JV
Rated Voltage	250 VAC/VDC
Withstanding Voltage	2400 VAC (2 seconds, between lines)
Insulation Resistance	> 50 M $\Omega$ @ 500 VDC (between lines, from line to tube)
Thermal Class	A (105°C)
Operating Temperature Range	-25°C to T (T = 105 - temperature rise)
Inductance Measurement Condition	16 kHz, 0.2 mA, KC547

## 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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