

## Overview

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

## Applications

- Consumer Electronics
- Common mode choke

## Benefits

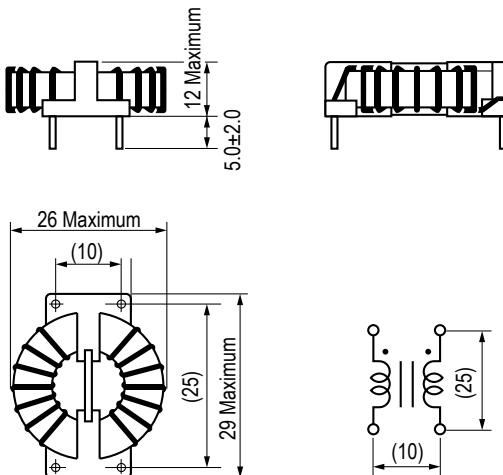
- Wide variety of sizes and specifications
- Inductances up to 2.0 mH
- Rated Currents up to 3 A
- DC Resistances as low as 60 mΩ



## Part Number System

SC-	02-	20	JS
Series	Rated Current (A)	Minimum Inductance (mH)	Terminal Base Type
SC-	0x- = x A (e.g., 02- = 2 A)	x0 = x mH (e.g., 20 = 2 mH) xx = x.x mH (e.g., 15 = 1.5 mH) 0x = 0.x mH (e.g., 08 = 0.8 mH)	JS

## Dimensions – Millimeters



## Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

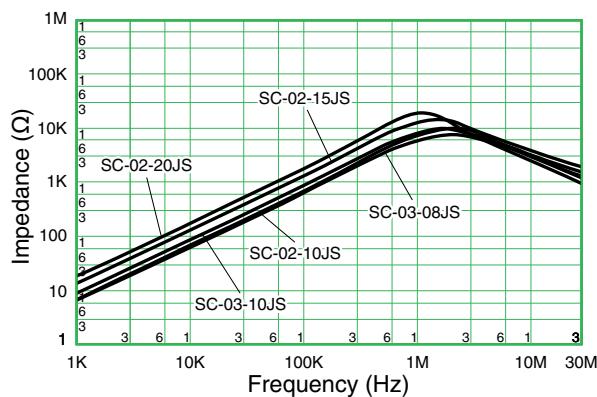
## Table 1 – Ratings & Part Number Reference

Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/Line (mΩ) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Weight (g) Approximate
SC-02-10JS	2	1.0	100	40	0.5	8.0
SC-02-15JS	2	1.5	120	40	0.5	8.5
SC-02-20JS	2	2.0	120	40	0.5	9.0
SC-03-08JS	3	0.8	60	40	0.6	9.0
SC-03-10JS	3	1.0	80	40	0.6	9.0

## Specifications

Item	SC-JS
Rated Voltage	250 VAC/VDC
Withstanding Voltage	2,400 VAC (2 seconds, between lines)
Insulation Resistance	> 100 MΩ at 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	1 kHz, 0.3 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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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.