SC Coils, SC-GJ Terminal Base Type

Overview

The KEMET SC Coils, SC-GJ 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 3.0 mH
- Rated Currents up to 3 A
- DC Resistances as low as 35 mΩ

Part Number System

SC-	02-	30	GJ
Series	Rated Current (A)	Minimum Inductance (mH)	Terminal Base Type
SC-	0x- = x A (e.g., 02- = 2 A)	x0 = x.0 mH (e.g., 30 = 3.0 mH) 0x = 0.x mH (e.g., 06 = 0.6 mH)	GJ

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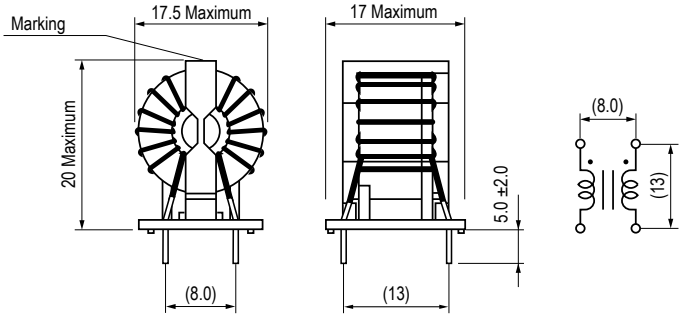
Dimensions – Millimeters



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.

RoHS Compliant

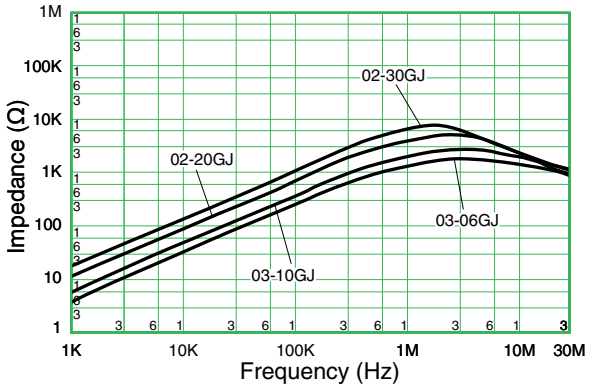
Table 1 – Ratings & Part Number Reference

Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (mΩ) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Marking	Weight (g) Approximate
SC-02-20GJ	2	2.0	80	40	0.5	220	9
SC-02-30GJ	2	3.0	100	40	0.5	230	10
SC-03-06GJ	3	0.6	35	40	0.6	306	8
SC-03-10GJ	3	1.0	40	40	0.6	310	9

Specifications

Item	SC-GJ
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	-25ºC to T (T = 120 - temperature rise)
Inductance Measurement Condition	100 kHz, 1 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 indicted or that other measures may not be required.

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