SC Coils, SC-JH Terminal Base Type

Overview

The KEMET SC Coils, SC-JH 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 20 A
- DC Resistances as low as 8 mΩ



Part Number System

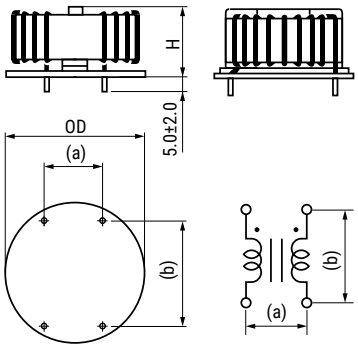
SC-	10-	20	JH
Series	Rated Current (A)	Minimum Inductance (mH)	Terminal Base Type
SC-	x0- = x0 A (e.g., 10- = 10 A) xx- = xx A (e.g., 15- = 15 A)	x0 = x mH (e.g., 20 = 2 mH) xx = x.x mH (e.g., 15 = 1.5 mH)	JH

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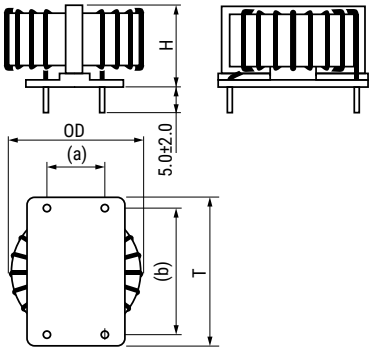
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Dimensions – Millimeters

SC-15-20JH, SC-18-15JH, SC-20-10JH



SC-10-20JH, SC-12-15JH, SC-15-10JH



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.

RoHS Compliant

Table 1 – Ratings & Part Number Reference

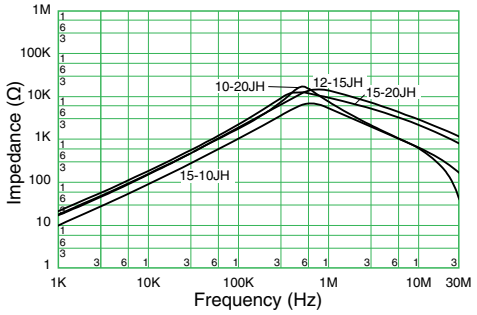
Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (mΩ) Maximum	Temperature Rise (K) Maximum	Finished Dimensions (mm)					Wire Diameter (mm)	Weight (g) Approximate
					OD (Maximum)	T (Maximum)	H (Maximum)	a	b		
SC-10-20JH	10	2.0	22	45	42	41	30	17	30	1.4	72
SC-12-15JH	12	1.5	18	45	42	41	30	17	30	1.5	71
SC-15-10JH	15	1.0	12	50	44	41	32	17	30	1.7	73
SC-15-20JH	15	2.0	12	45	51	–	34	26	30	1.8	115
SC-18-15JH	18	1.5	10	55	51	–	34	26	30	1.9	117
SC-20-10JH	20	1.0	8	50	51	–	34	15	35	2.0	110

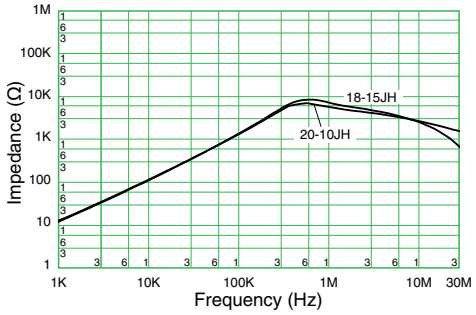
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Specifications

Item	SC-JH
Rated Voltage	250 VAC/VDC
Withstanding Voltage	2,400 V (2 seconds, between lines)
Insulation Resistance	> 100 MΩ at 500 VDC (between lines)
Thermal Class	A (105°C)
Operating Temperature Range	–25°C to T (T = 105 – 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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