SS Coils, SS24V/H-CH Type

Overview

The KEMET SS Coils, SS24V/H-CH Type AC line filters are offered in a wide variety of sizes and specifications.

Applications

- Consumer Electronics
- Common mode choke

Benefits

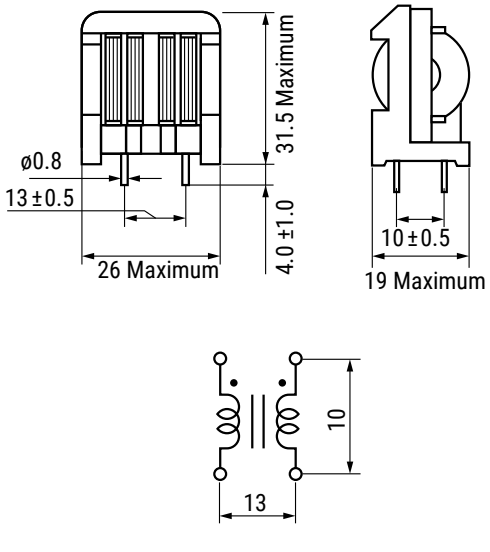
- Wide variety of sizes and specifications
- Inductances up to 60 mH
- Rated Currents up to 2 A
- DC Resistances as low as 0.17 Ω

Part Number System

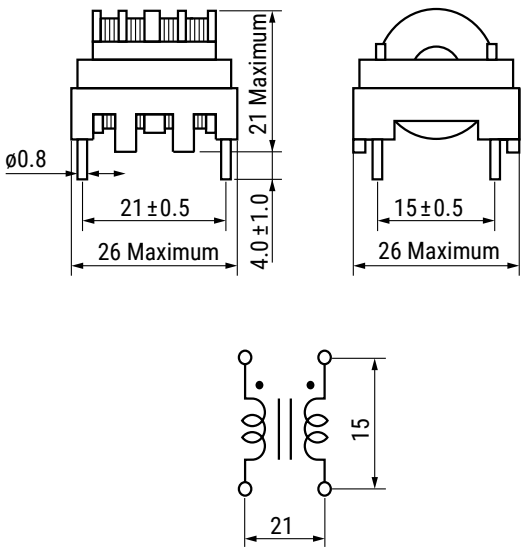
SS	24	V-	R	05	600-	CH
Series	Core Size (mm)	Core Orientation	Core Type	Rated Current (A)	Minimum Inductance (mH)	Product Type
SS	24 = 24.0	V- = Vertical H- = Horizontal	Blank = Standard K = High permeability (μ ≈ 8,000) R = High permeability (μ ≈ 10,000)	0x = 0.x A (e.g., 03 = 0.3 A) xx = x.x A (e.g., 13 = 1.3 A)	xx0- = xx mH (e.g., 600 = 60 mH) 0xx- = x.x mH (e.g., 025 = 2.5 mH)	CH

Dimensions – Millimeters

SS24V-CH



SS24H-CH



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.

RoHS Compliant

Table 1 – Ratings & Part Number Reference

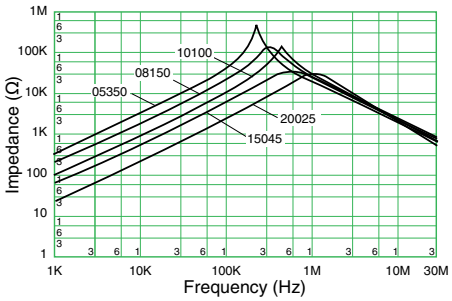
Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (Ω) Maximum	Temperature Rise (K) Maximum	Weight (g) Approximate	
					V	H
SS24(1)-05350-CH	0.5	35	1.75	45	18.8	17.1
SS24(1)-08150-CH	0.8	15	0.75	50	18.8	17.1
SS24(1)-10100-CH	1.0	10	0.55	45	18.6	16.9
SS24(1)-15045-CH	1.5	4.5	0.24	45	19.0	17.3
SS24(1)-20025-CH	2.0	2.5	0.17	50	18.3	16.6
SS24(1)-K05570-CH	0.5	57	1.75	45	18.8	17.1
SS24(1)-K08240-CH	0.8	24	0.75	50	18.8	17.1
SS24(1)-K10165-CH	1.0	16.5	0.55	45	18.6	16.9
SS24(1)-K15070-CH	1.5	7.0	0.24	45	19.0	17.3
SS24(1)-K20040-CH	2.0	4.0	0.17	50	18.3	16.6
SS24(1)-R05600-CH	0.5	60	1.75	45	18.8	17.1
SS24(1)-R08250-CH	0.8	25	0.75	50	18.8	17.1
SS24(1)-R10170-CH	1.0	17	0.55	45	18.6	16.9
SS24(1)-R15080-CH	1.5	8.0	0.24	45	19.0	17.3
SS24(1)-R20045-CH	2.0	4.5	0.17	50	18.3	16.6

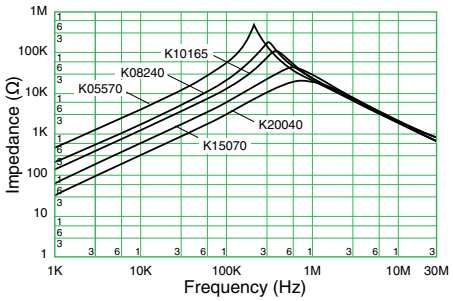
(1) To complete KEMET part number, insert V for vertical core type or H for horizontal core type.

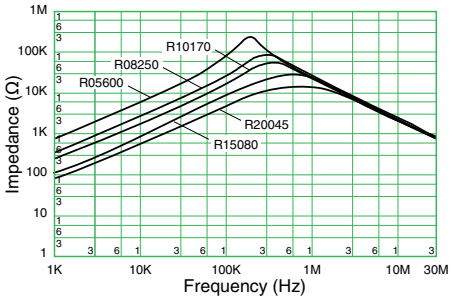
Specifications

Item	SS24V/H-CH
Rated Voltage	250 VAC
Withstanding Voltage	2,400 VAC (2 seconds, between lines)
Insulation Resistance	> 100 MΩ at 500 VDC (between lines)
Thermal Class	E (120°C)
Operating Temperature Range	–25°C to T (T = 120 – temperature rise)
Inductance Measurement Condition	1 kHz, 1 V, KC530

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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