SS Coils, SS28V/H-CH Type

Overview

The KEMET SS Coils, SS28V/H-CH Type AC line filters are offered in a wide variety of sizes and specifications.

Applications

- Consumer Electronics
- Common mode choke

Benefits

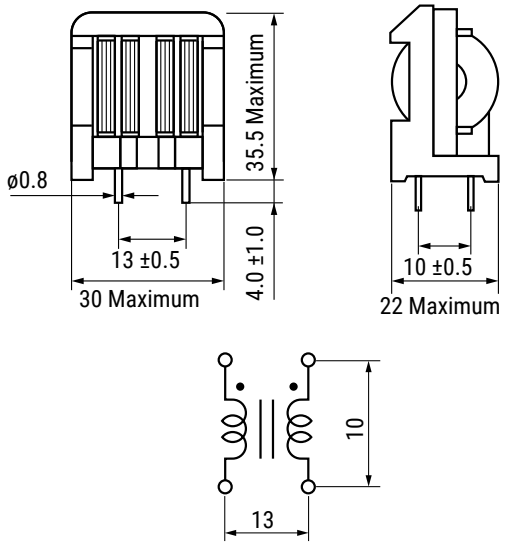
- Wide variety of sizes and specifications
- Inductances up to 60 mH
- Rated Currents up to 2.5 A
- DC Resistances as low as 0.16 Ω

Part Number System

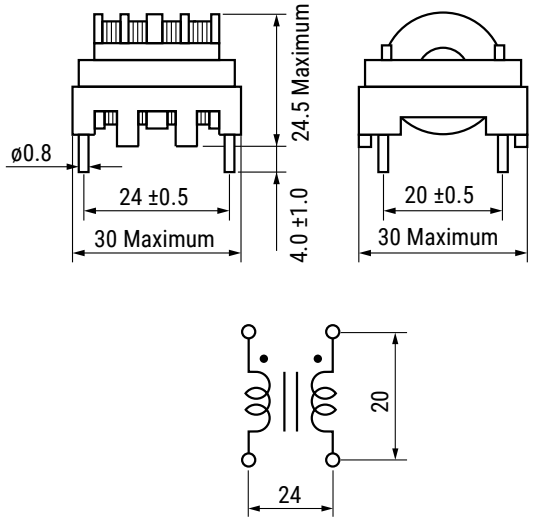
SS	28	V-	R	08	600-	CH
Series	Core Size (mm)	Core Orientation	Core Type	Rated Current (A)	Minimum Inductance (mH)	Product Type
SS	28 = 28.0	V- = Vertical H- = Horizontal	Blank = Standard K = High permeability (μ ≈ 8,000) R = High permeability (μ ≈ 10,000)	0x = 0.x A (e.g., 08 = 0.8 A) xx = x.x A (e.g., 15 = 1.5 A)	xx0- = xx mH (e.g., 600- = 60 mH) 0xx- = x.x mH (e.g., 045- = 4.5 mH)	CH

Dimensions – Millimeters

SS28V-CH



SS28H-CH



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.

RoHS Compliant

Table 1 – Ratings & Part Number Reference

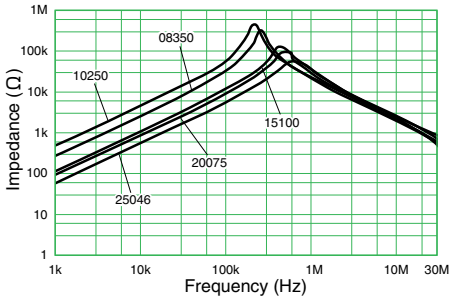
Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (Ω) Maximum	Temperature Rise (K) Maximum	Weight (g) Approximate	
					V	H
SS28(1)-08350-CH	0.8	35	0.95	45	32.0	29.6
SS28(1)-10250-CH	1.0	25	0.65	45	33.4	31.0
SS28(1)-15100-CH	1.5	10	0.35	50	30.0	27.6
SS28(1)-20075-CH	2.0	7.5	0.22	45	32.7	30.3
SS28(1)-25045-CH	2.5	4.5	0.16	45	32.9	30.5
SS28(1)-K08530-CH	0.8	53	0.95	45	32.0	29.6
SS28(1)-K10410-CH	1.0	41	0.65	45	33.4	31.0
SS28(1)-K15155-CH	1.5	15.5	0.35	50	30.0	27.6
SS28(1)-K20115-CH	2.0	11.5	0.22	45	32.7	30.3
SS28(1)-K25075-CH	2.5	7.5	0.16	45	32.9	30.5
SS28(1)-R08600-CH	0.8	60	0.95	45	32.0	29.6
SS28(1)-R10450-CH	1.0	45	0.65	45	33.4	31.0
SS28(1)-R15170-CH	1.5	17	0.35	50	30.0	27.6
SS28(1)-R20130-CH	2.0	13	0.22	45	32.7	30.3
SS28(1)-R25080-CH	2.5	8.0	0.16	45	32.9	30.5

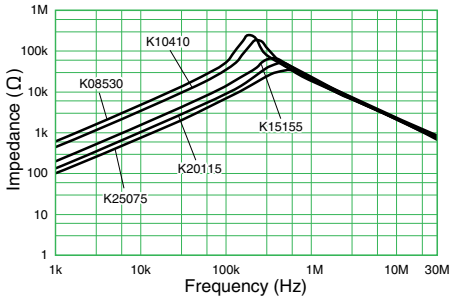
(1) To complete KEMET part number, insert V for vertical core type or H for horizontal core type.

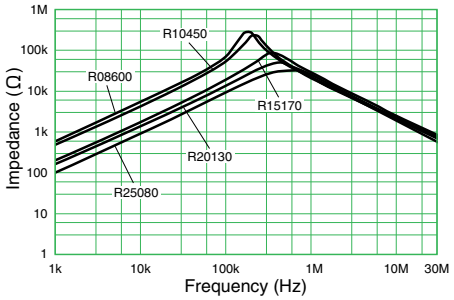
Specifications

Item	SS28V/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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