SS Coils, SS17VA/HA Type

Overview

The KEMET SS Coils, SS17VA/HA 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 20 mH
- Rated Currents up to 1.7 A
- DC Resistances as low as 0.12 Ω



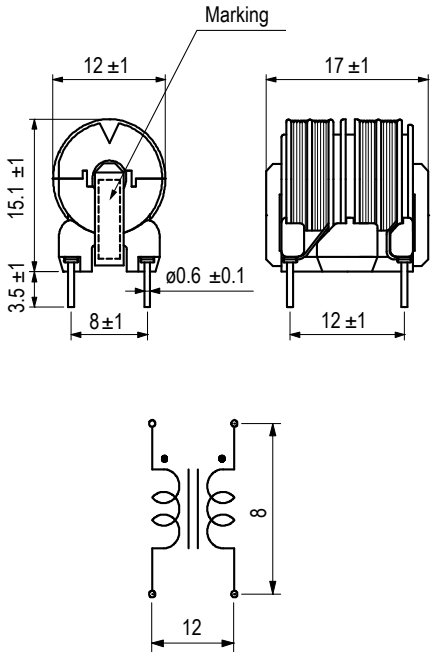
Part Number System

SS	17	VA-	R	03	155
Series	Core Size (mm)	Core Orientation	Core Type	Rated Current (A)	Minimum Inductance (mH)
SS	17 = 17.0	VA- = Vertical HA- = Horizontal	Blank = Standard R = High permeability	0x = 0.x A (e.g., 03 = 0.3 A) xx = x.x A (e.g., 13 = 1.3 A)	00x = 0.x mH (e.g., 005 = 0.5 mH) 0xx = x.x mH (e.g., 035 = 3.5 mH) xxx = xx.x mH (e.g., 155 = 15.5 mH)

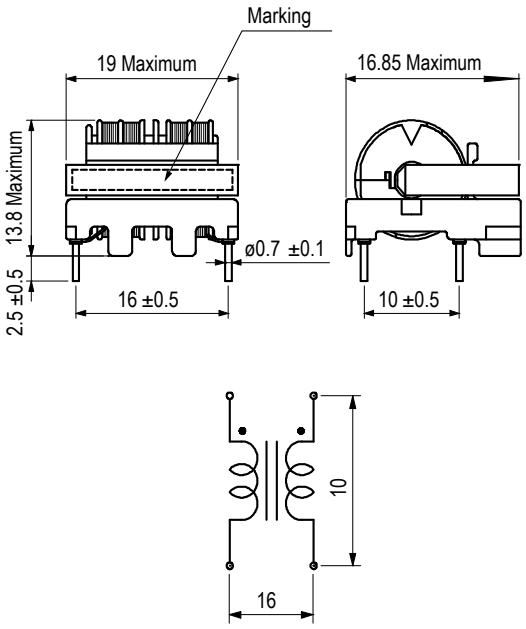
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Dimensions – Millimeters

SS17VA



SS17HA



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.

RoHS Compliant

Table 1 – Ratings & Part Number Reference

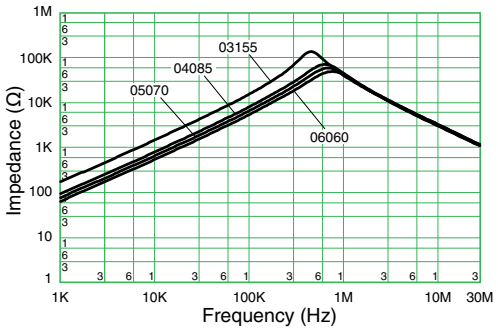
Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (Ω) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Marking	Weight (g) Approximate
SS17(1)-03155	0.3	15.5	2.60	48	0.20	03 Lot No.	5.7
SS17(1)-04085	0.4	8.5	1.40	53	0.23	04 Lot No.	5.6
SS17(1)-05070	0.5	7.0	1.10	55	0.25	05 Lot No.	5.8
SS17(1)-06060	0.6	6.0	0.84	45	0.28	06 Lot No.	5.8
SS17(1)-07045	0.7	4.5	0.70	50	0.30	07 Lot No.	5.9
SS17(1)-08035	0.8	3.5	0.45	58	0.30	08 Lot No.	8.9
SS17(1)-10015	1.0	1.5	0.38	50	0.37	10 Lot No.	6.0
SS17(1)-11013	1.1	1.3	0.24	65	0.37	11 Lot No.	5.7
SS17(1)-13010	1.3	1.0	0.18	55	0.40	13 Lot No.	5.7
SS17(1)-17005	1.7	0.5	0.12	55	0.45	17 Lot No.	5.7
SS17(1)-R03200	0.3	20.0	2.60	48	0.20	R03 Lot No.	5.7
SS17(1)-R04110	0.4	11.0	1.40	53	0.23	R04 Lot No.	5.6
SS17(1)-R05090	0.5	9.0	1.10	55	0.25	R05 Lot No.	5.8
SS17(1)-R06075	0.6	7.5	0.84	45	0.28	R06 Lot No.	5.8
SS17(1)-R07060	0.7	6.0	0.70	50	0.30	R07 Lot No.	5.9
SS17(1)-R08045	0.8	4.5	0.45	58	0.30	R08 Lot No.	8.9
SS17(1)-R10025	1.0	2.5	0.38	50	0.37	R10 Lot No.	6.0
SS17(1)-R11015	1.1	1.5	0.24	65	0.37	R11 Lot No.	5.7
SS17(1)-R13012	1.3	1.2	0.18	55	0.40	R13 Lot No.	5.7
SS17(1)-R17007	1.7	0.7	0.12	55	0.45	R17 Lot No.	5.7

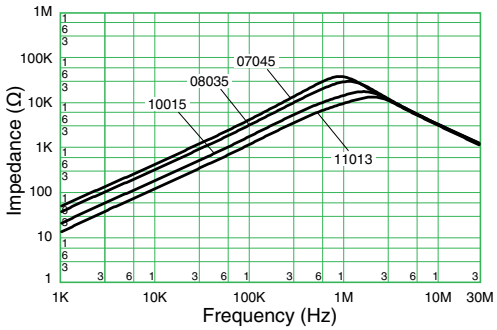
(1) To complete KEMET part number, insert VA for vertical core type or HA for horizontal core type.

Specifications

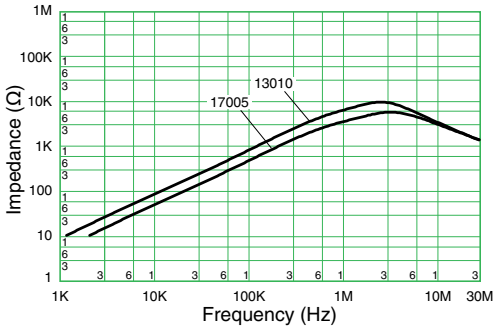
Item	SS17VA/HA
Rated Voltage	250 VAC
Withstanding Voltage	2400 VAC (2 seconds, between lines)
Thermal Class	E (120°C)
Operating Temperature Range	-25°C to T (T = 120 - temperature rise)
Inductance Measurement Condition	1 kHz, 1 V, KC530 or equivalent

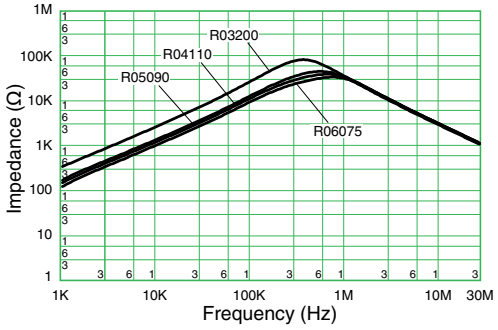
Frequency Characteristics

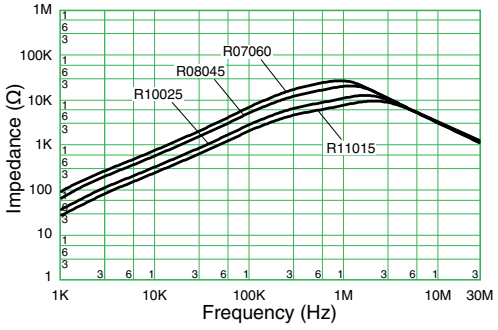


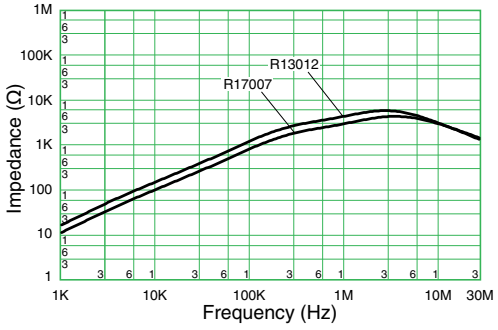


Frequency Characteristics Cont'd



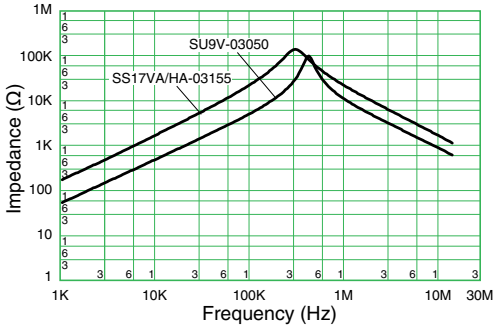




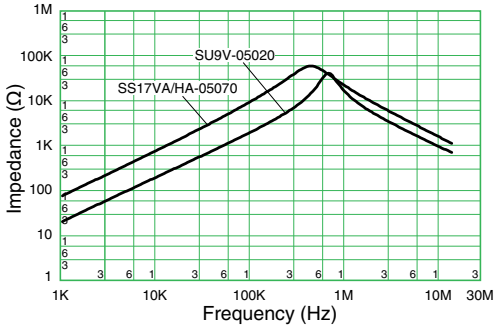


Frequency Characteristics Comparison

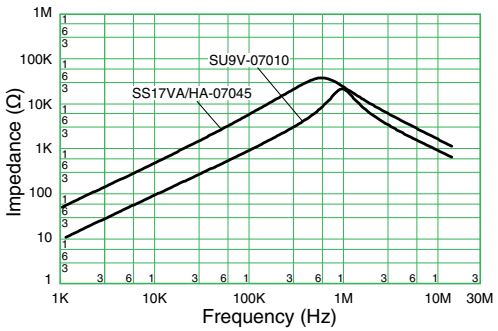
0.3A



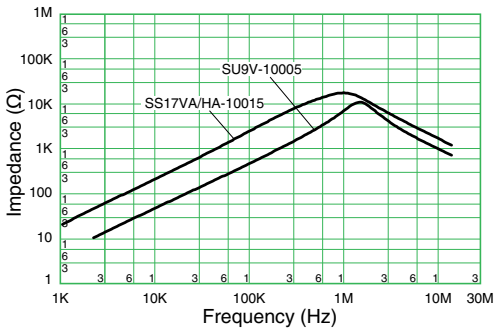
0.5A



0.7A

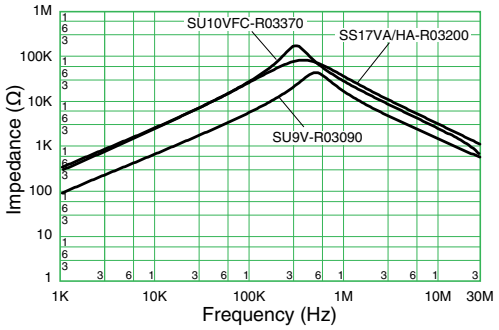


1.0A

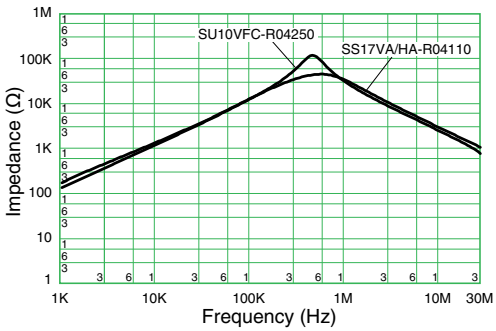


Frequency Characteristics Comparison Cont'd

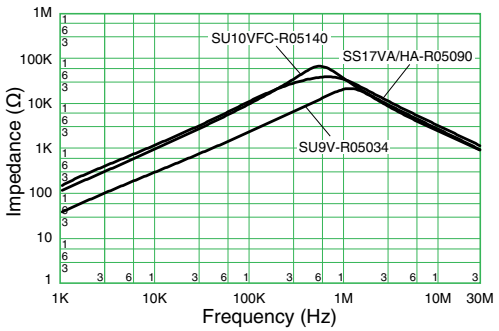
0.3A



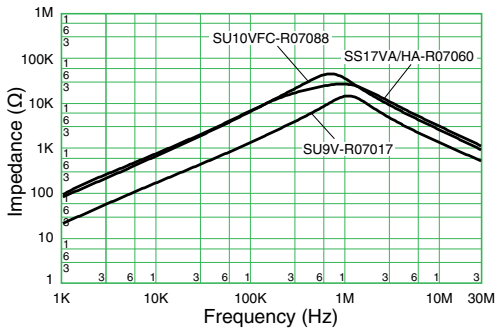
0.4A



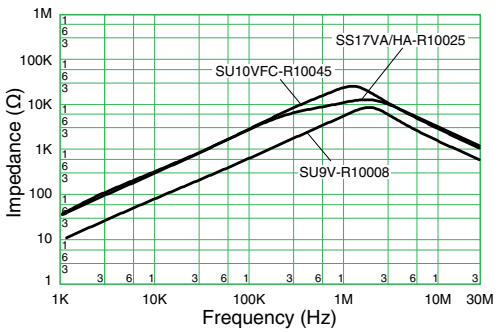
0.5A



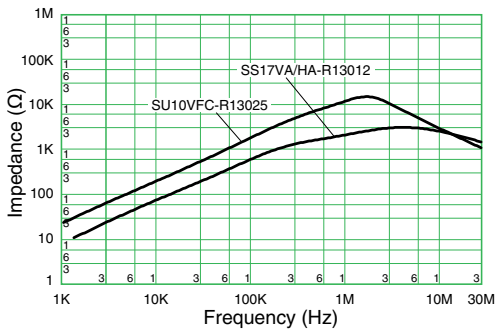
0.7A



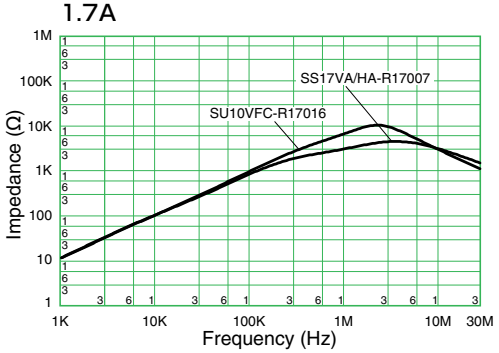
1.0A



1.3A



1.7A



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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