

## Overview

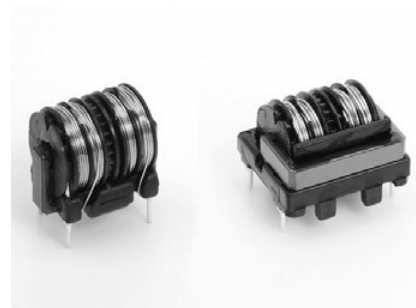
The KEMET SS Coils, SS17VA/HA Type AC line filters are offered in a wide variety of sizes and specifications.

## 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  $\Omega$

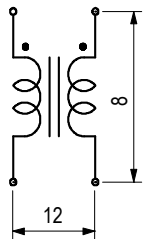
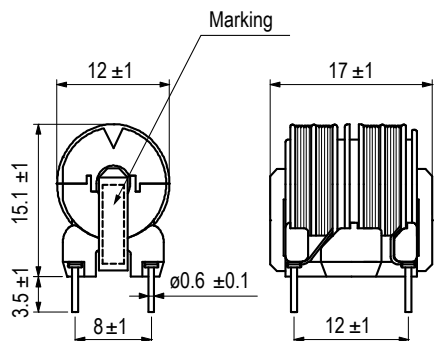


## Part Number System

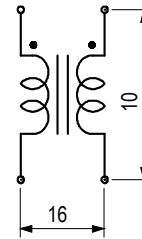
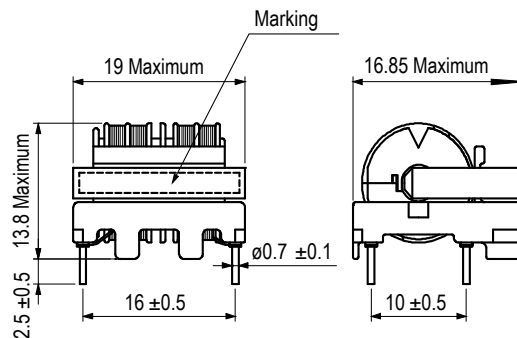
SS	17	VA-	R	03	155
Series	Core Size (mm)	Core Orientation	Core Type	Rated Current (A)	Minimum Inductance (mH)
SS	17 = 17.0	VA- = Vertical HA- = Horizontal	Blank = Standard R = High permeability	0x = 0.x A (e.g., 03 = 0.3 A) xx = x.x A (e.g., 13 = 1.3 A)	00x = 0.x mH (e.g., 005 = 0.5 mH) 0xx = x.x mH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

## Dimensions – Millimeters

SS17VA



SS17HA



## Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

**Table 1 – Ratings & Part Number Reference**

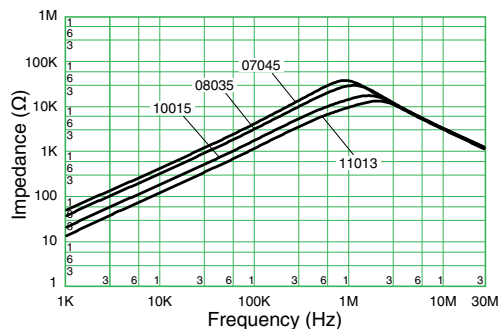
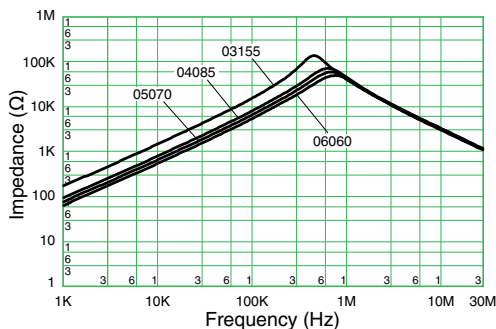
Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (Ω) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Marking	Weight (g) Approximate
SS17(1)-03155	0.3	15.5	2.60	48	0.20	03 Lot No.	5.7
SS17(1)-04085	0.4	8.5	1.40	53	0.23	04 Lot No.	5.6
SS17(1)-05070	0.5	7.0	1.10	55	0.25	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.

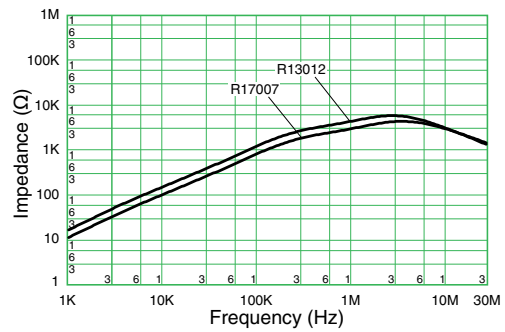
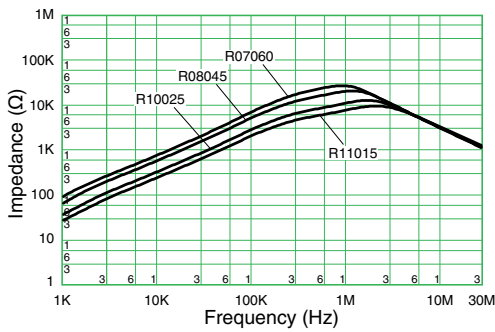
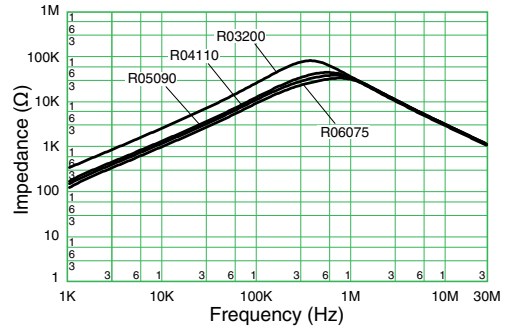
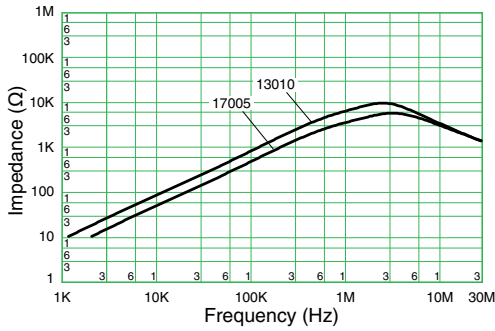
## Specifications

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

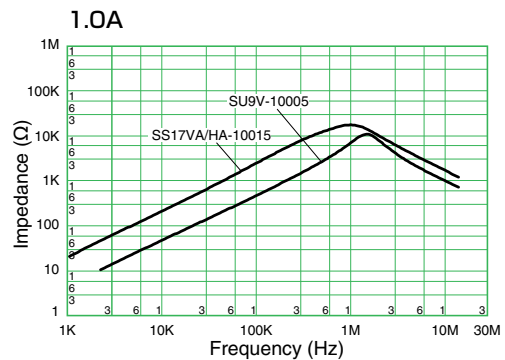
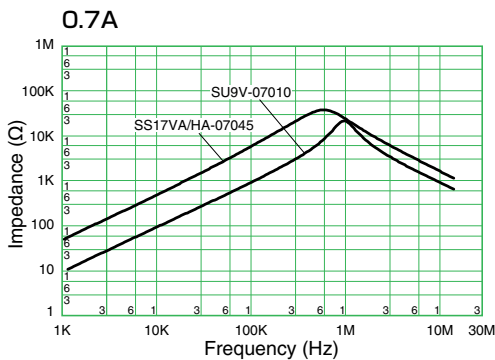
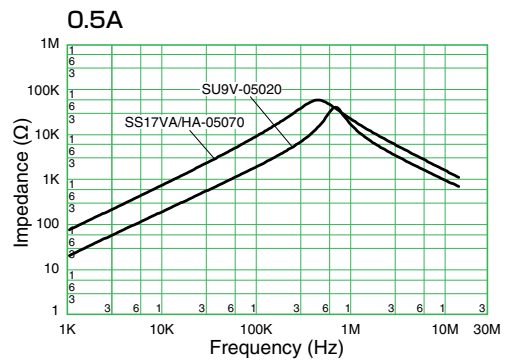
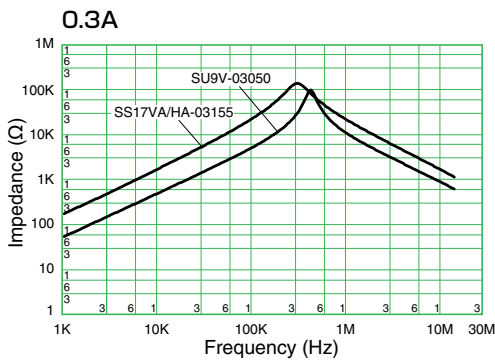
## Frequency Characteristics



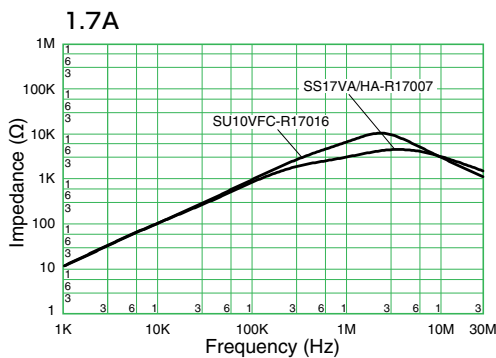
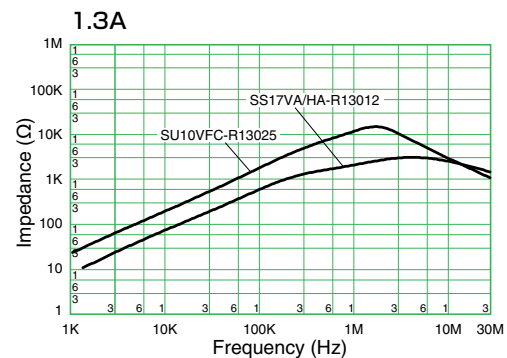
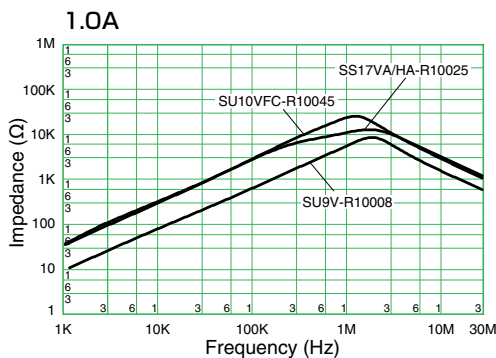
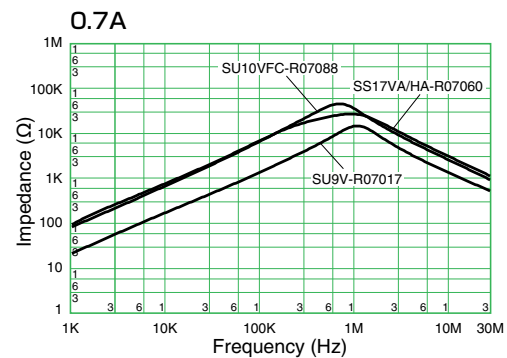
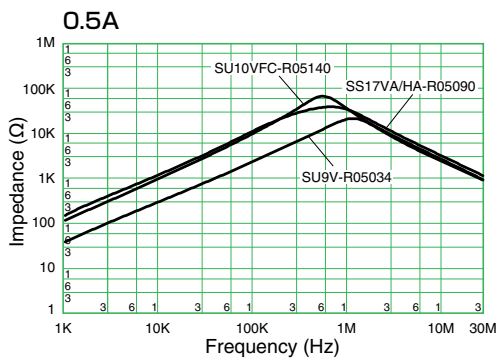
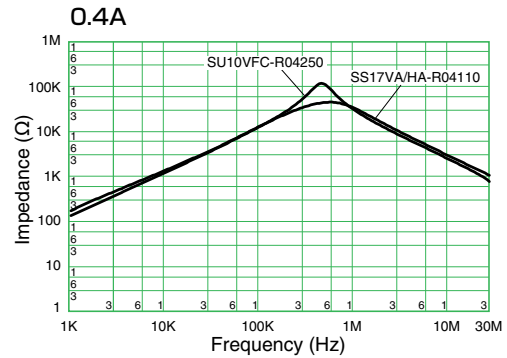
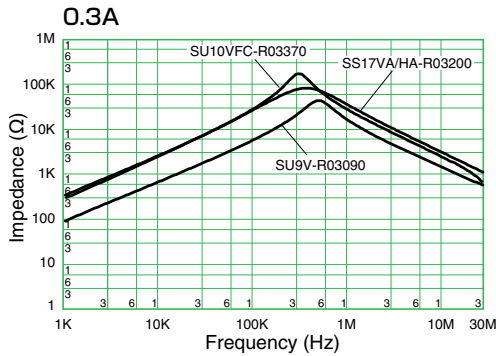
## Frequency Characteristics Cont'd



## Frequency Characteristics Comparison



## Frequency Characteristics Comparison Cont'd



## 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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