

Overview

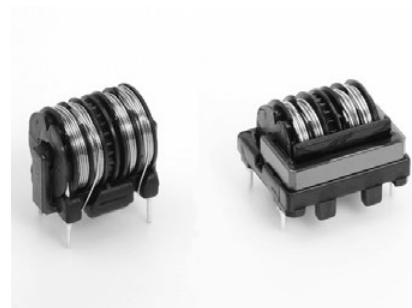
The KEMET SS Coils, SS17VA/HA Type AC line filters are offered in a wide variety of sizes and specifications.

Applications

- Consumer Electronics
- Common mode choke

Benefits

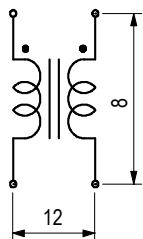
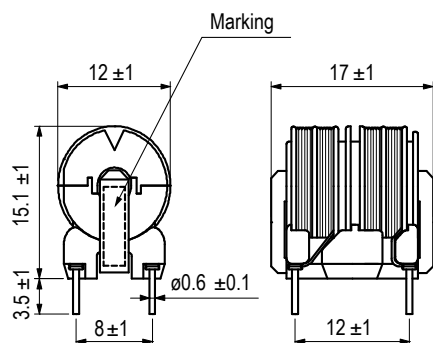
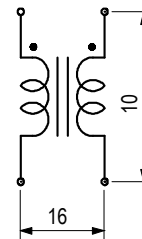
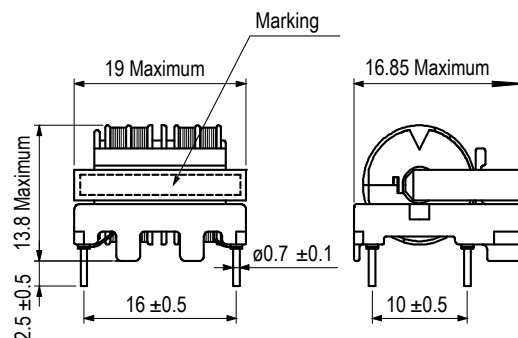
- Wide variety of sizes and specifications
- Inductances up to 20 mH
- Rated Currents up to 1.7 A
- DC Resistances as low as 0.12 Ω



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)

Dimensions – Millimeters

SS17VA**SS17HA**

Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

Table 1 – Ratings & Part Number Reference

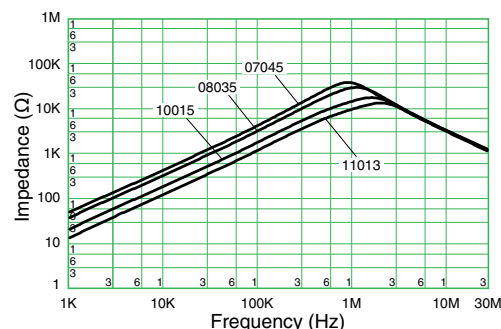
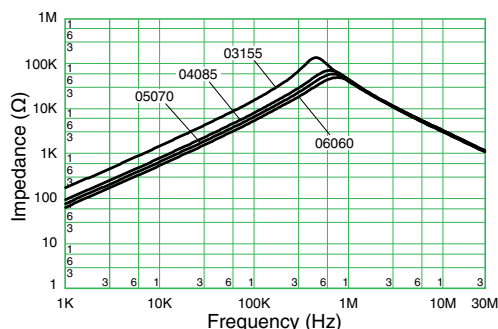
Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (Ω) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Marking	Weight (g) Approximate
SS17(1)-03155	0.3	15.5	2.60	48	0.20	03 Lot No.	5.7
SS17(1)-04085	0.4	8.5	1.40	53	0.23	04 Lot No.	5.6
SS17(1)-05070	0.5	7.0	1.10	55	0.25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

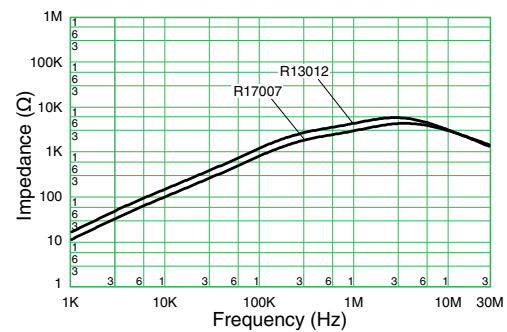
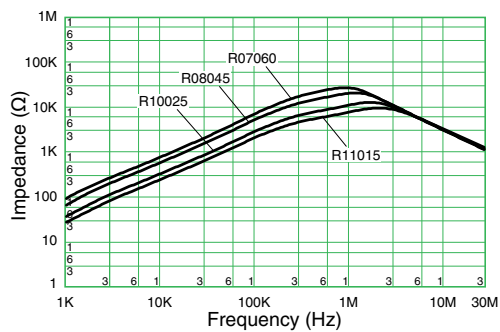
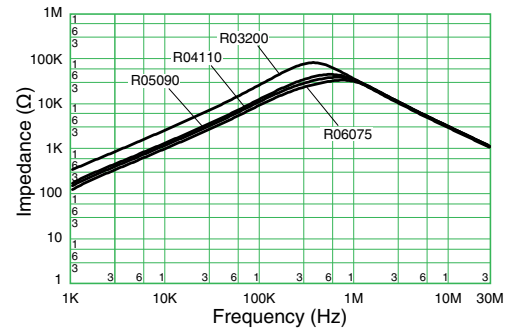
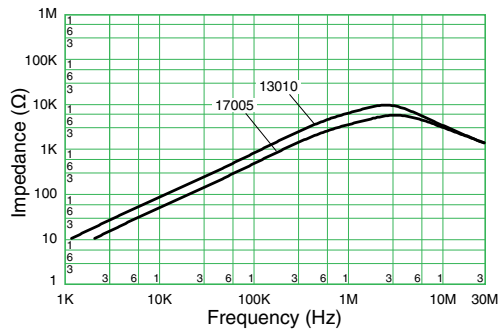
Specifications

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

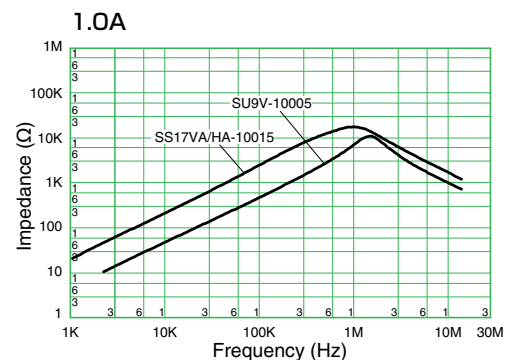
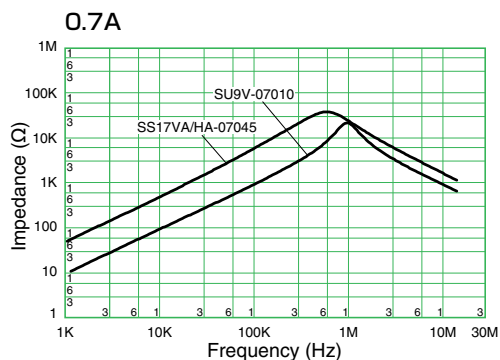
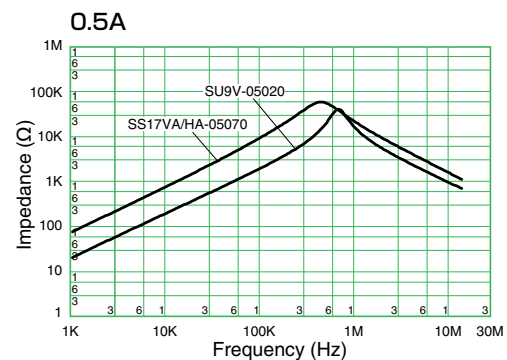
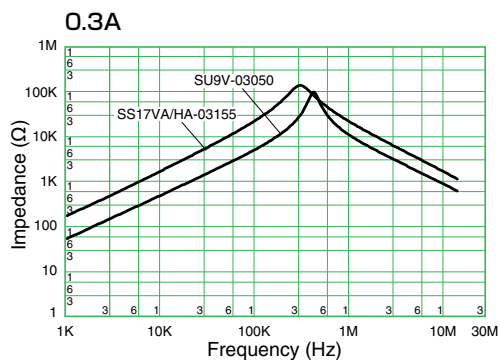
Frequency Characteristics



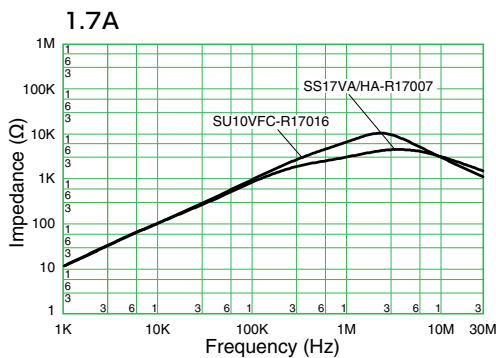
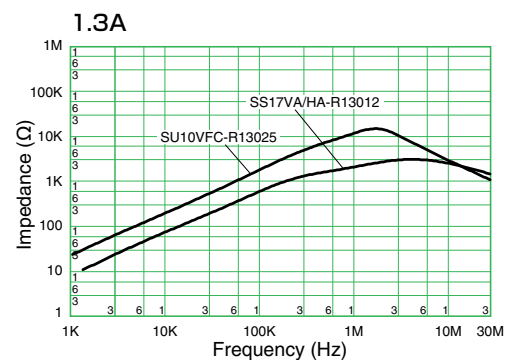
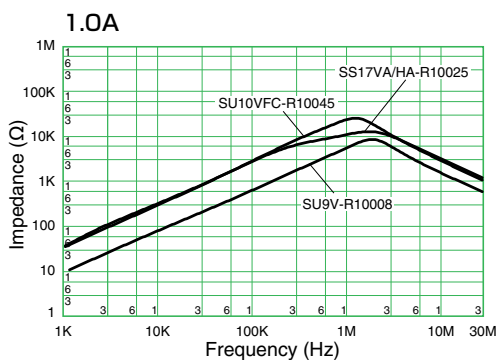
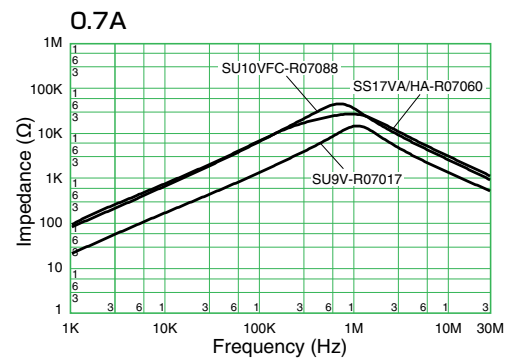
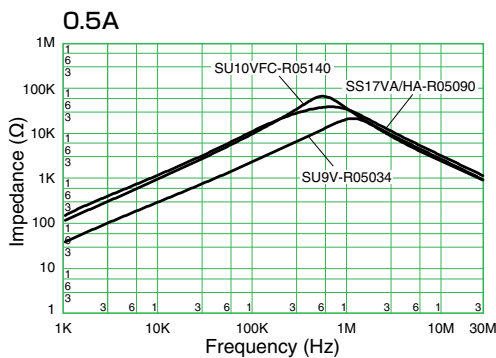
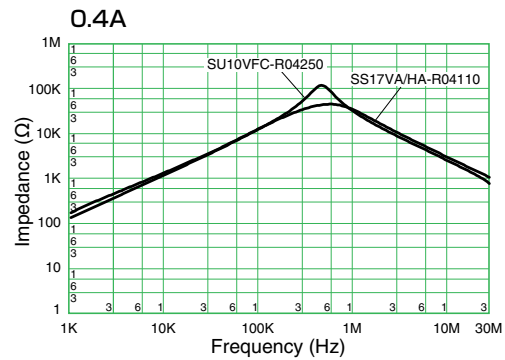
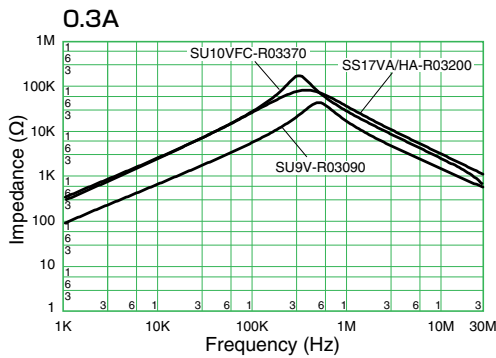
Frequency Characteristics Cont'd



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.

**KEMET Corporation
World Headquarters**

2835 KEMET Way
Simpsonville, SC 29681

Mailing Address:
P.O. Box 5928
Greenville, SC 29606

www.kemet.com
Tel: 864-963-6300
Fax: 864-963-6521

Corporate Offices
Fort Lauderdale, FL
Tel: 954-766-2800

North America**Southeast**

Lake Mary, FL
Tel: 407-855-8886

Northeast

Wilmington, MA
Tel: 978-658-1663

Central

Novi, MI
Tel: 248-306-9353

West

Milpitas, CA
Tel: 408-433-9950

Mexico

Guadalajara, Jalisco
Tel: 52-33-3123-2141

Europe**Southern Europe**

Paris, France
Tel: 33-1-4646-1006

Sasso Marconi, Italy
Tel: 39-051-939111

Central Europe

Landsberg, Germany
Tel: 49-8191-3350800

Kamen, Germany
Tel: 49-2307-438110

Northern Europe

Bishop's Stortford, United Kingdom
Tel: 44-1279-460122

Espoo, Finland
Tel: 358-9-5406-5000

Asia**Northeast Asia**

Hong Kong
Tel: 852-2305-1168

Shenzhen, China
Tel: 86-755-2518-1306

Beijing, China
Tel: 86-10-5829-1711

Shanghai, China
Tel: 86-21-6447-0707

Taipei, Taiwan
Tel: 886-2-27528585

Southeast Asia

Singapore
Tel: 65-6586-1900

Penang, Malaysia
Tel: 60-4-6430200

Bangalore, India
Tel: 91-806-53-76817

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