Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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SS Coils, SS17HB Type

Overview

The KEMET SS Coils, SS17HB Type AC line filters are offered in a wide variety of sizes and specifications.

Applications

- Consumer Electronics
- Common mode choke

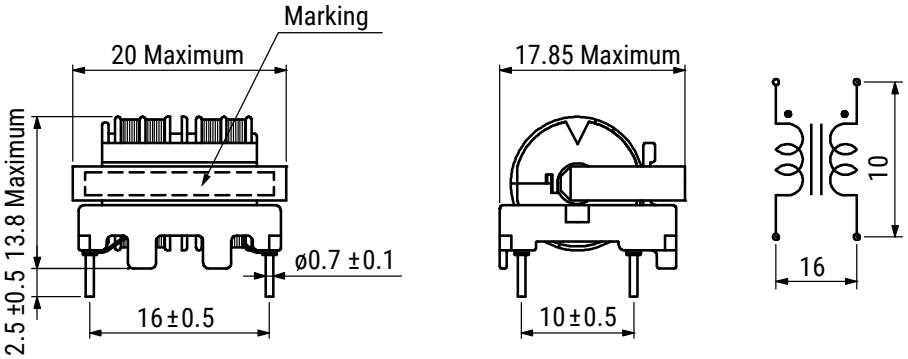
Benefits

- Wide variety of sizes and specifications
- Inductances up to 30 mH
- Rated Currents up to 1.7 A
- DC Resistances as low as 0.10 Ω

Part Number System

SS	17	HB-	R	13	020
Series	Core Size (mm)	Core Orientation	Core Type	Rated Current (A)	Minimum Inductance (mH)
SS	17 = 17.0	HB- = Horizontal	Blank = Standard R = High permeability	0x = 0.x A (e.g., 04 = 0.4 A) xx = x.x A (e.g., 13 = 1.3 A)	00x = 0.x mH (e.g., 008 = 0.8 mH) 0xx = x.x mH (e.g., 020 = 2.0 mH) xxx = xx.x mH (e.g., 125 = 12.5 mH) Note: Code 018 = 1.5 mH

Dimensions – Millimeters



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.

RoHS Compliant

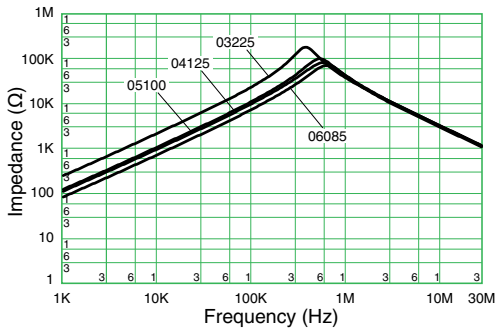
Table 1 – Ratings & Part Number Reference

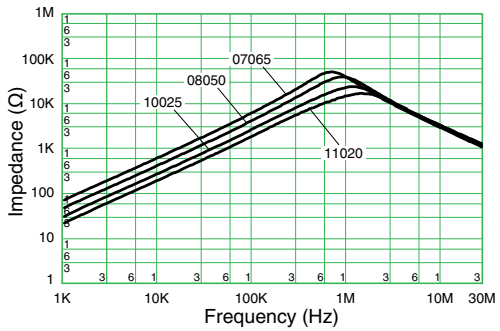
Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (Ω) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Marking	Weight (g) Approximate
SS17HB-03225	0.3	22.5	2.60	48	0.20	03 Lot No.	5.9
SS17HB-04125	0.4	12.5	1.40	53	0.23	04 Lot No.	6.5
SS17HB-05100	0.5	10.0	1.10	55	0.25	05 Lot No.	6.4
SS17HB-06085	0.6	8.5	0.84	45	0.28	06 Lot No.	6.0
SS17HB-07065	0.7	6.5	0.70	50	0.30	07 Lot No.	6.0
SS17HB-08050	0.8	5.0	0.45	58	0.30	08 Lot No.	5.9
SS17HB-10025	1.0	2.5	0.38	50	0.37	10 Lot No.	6.3
SS17HB-11020	1.1	2.0	0.24	65	0.37	11 Lot No.	6.3
SS17HB-13018	1.3	1.5	0.18	55	0.40	13 Lot No.	6.2
SS17HB-17008	1.7	0.8	0.12	55	0.45	17 Lot No.	6.1
SS17HB-R03300	0.3	30.0	2.60	48	0.20	R03 Lot No.	5.9
SS17HB-R04170	0.4	17.0	1.40	53	0.23	R04 Lot No.	6.5
SS17HB-R05140	0.5	14.0	1.10	55	0.25	R05 Lot No.	6.4
SS17HB-R06120	0.6	12.0	0.84	45	0.28	R06 Lot No.	6.0
SS17HB-R07090	0.7	9.0	0.70	50	0.30	R07 Lot No.	6.0
SS17HB-R08070	0.8	7.0	0.45	58	0.30	R08 Lot No.	5.9
SS17HB-R10035	1.0	3.5	0.38	50	0.37	R10 Lot No.	6.3
SS17HB-R11025	1.1	2.5	0.24	65	0.37	R11 Lot No.	6.3
SS17HB-R13020	1.3	2.0	0.18	55	0.40	R13 Lot No.	6.2
SS17HB-R17010	1.7	1.0	0.12	55	0.45	R17 Lot No.	6.1

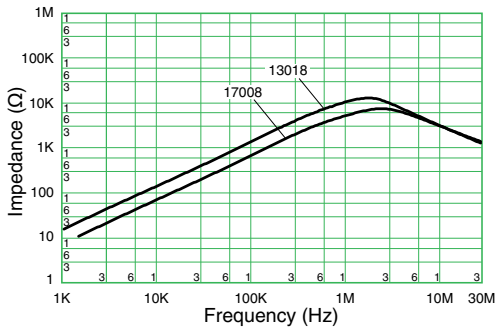
Specifications

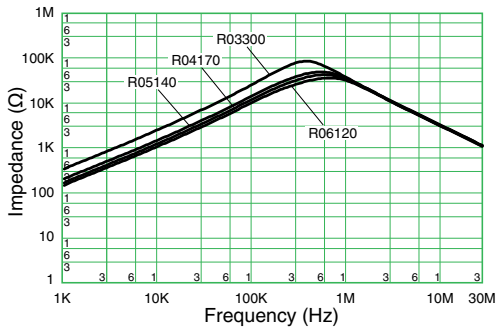
Item	SS17HB
Rated Voltage	250 VAC
Withstanding Voltage	2,400 VAC (2 seconds, between lines)
Thermal Class	E (120°C)
Operating Temperature Range	–25°C to T (T = 120 – temperature rise)
Inductance Measurement Condition	1 kHz, 1 V, KC530 or equivalent

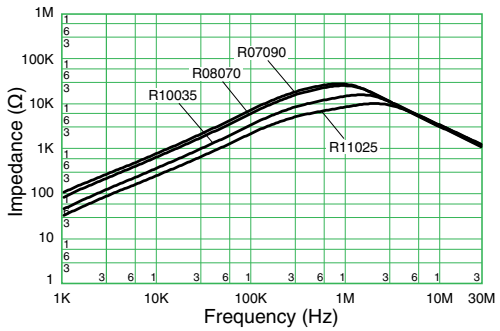
Frequency Characteristics

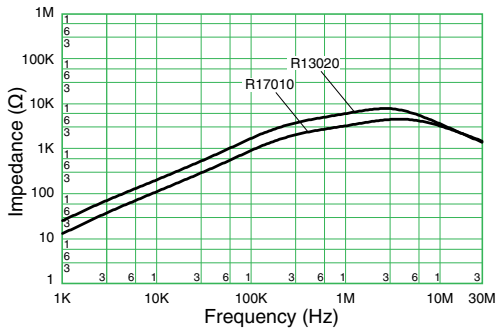












Frequency Characteristics Comparison

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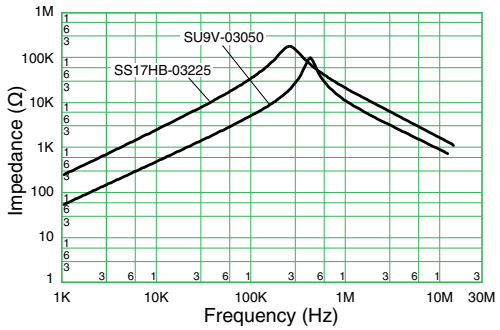

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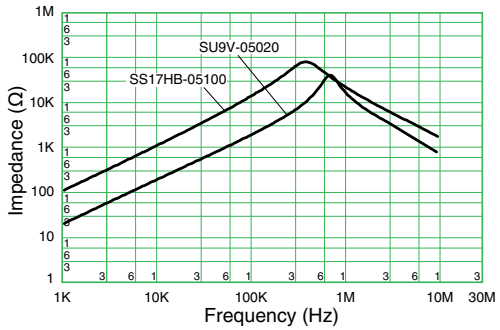

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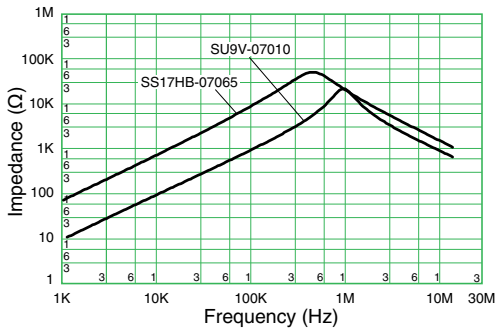

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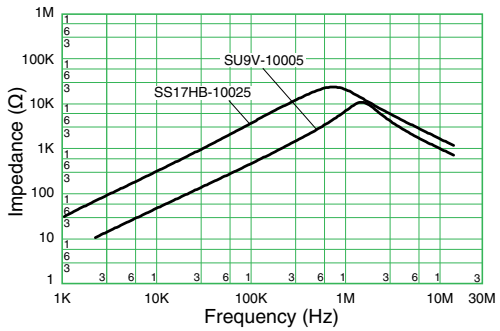

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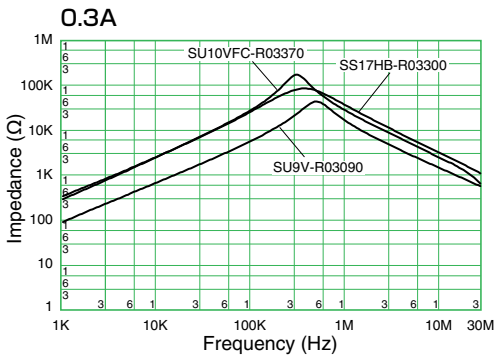

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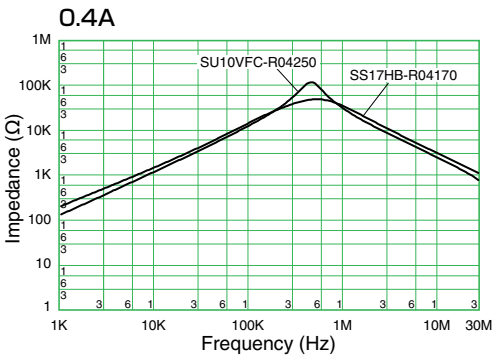

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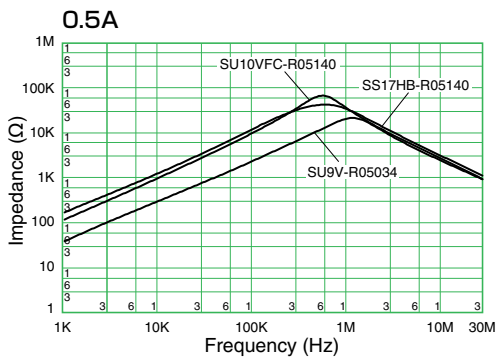

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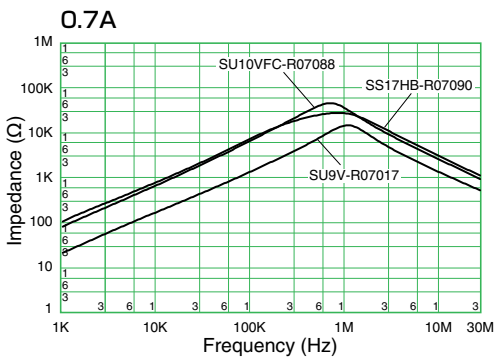

Frequency Characteristics Comparison Cont'd

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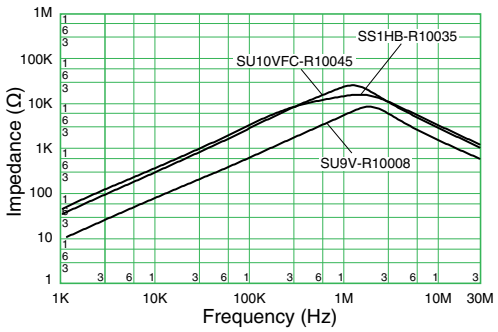

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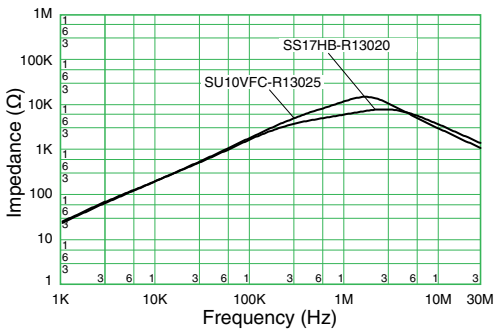

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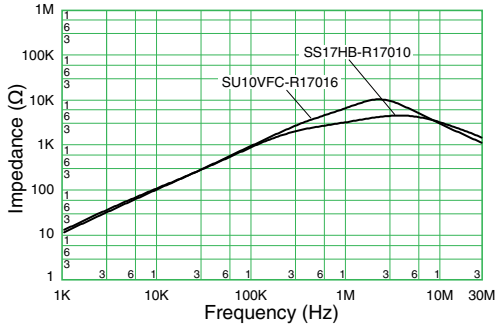

Notes on Use

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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