SS Coils, SS20H Type

Overview

The KEMET SS Coils, SS20H 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 66 mH
- Rated Currents up to 2 A
- DC Resistances as low as 0.11 Ω

Part Number System

SS	20	H-	R	03	660
Series	Core Size (mm)	Core Orientation	Core Type	Rated Current (A)	Minimum Inductance (mH)
SS	20 = 20.0	H- = 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)	xx0 = xx mH (e.g., 660 = 66 mH) 0xx = x.x mH (e.g., 052 = 5.2 mH)

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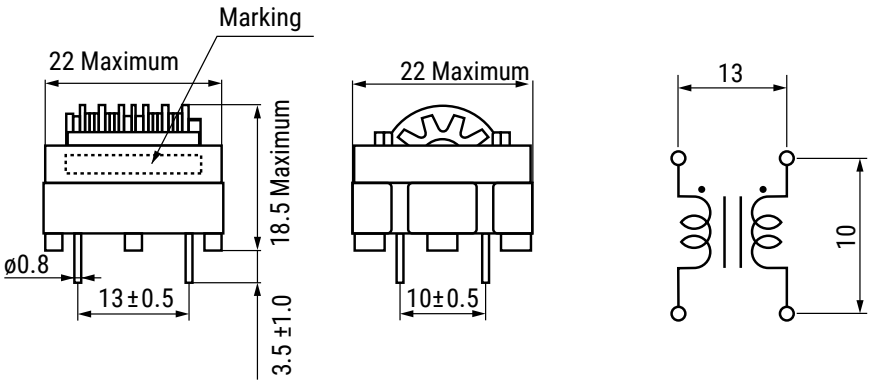
Dimensions – Millimeters



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.

RoHS Compliant

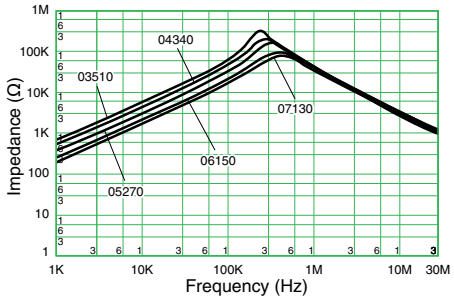
Table 1 – Ratings & Part Number Reference

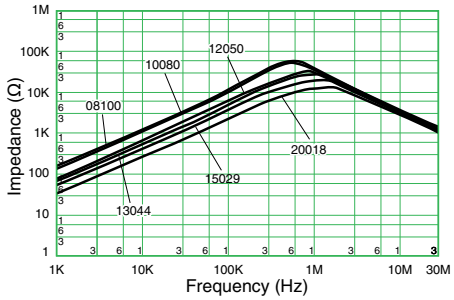
Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (Ω) Maximum	Temperature Rise (K) Maximum	Marking	Weight (g) Approximate
SS20H-03510	0.3	51	3.2	45	03 Lot No.	12.0
SS20H-04340	0.4	34	2.0	45	04 Lot No.	12.0
SS20H-05270	0.5	27	1.5	45	05 Lot No.	12.0
SS20H-06150	0.6	15	0.93	45	06 Lot No.	12.0
SS20H-07130	0.7	13	0.75	45	07 Lot No.	12.0
SS20H-08100	0.8	10	0.66	45	08 Lot No.	12.0
SS20H-10080	1.0	8.0	0.42	45	10 Lot No.	12.0
SS20H-12050	1.2	5.0	0.36	45	12 Lot No.	12.0
SS20H-13044	1.3	4.4	0.25	45	13 Lot No.	12.0
SS20H-15029	1.5	2.9	0.19	45	15 Lot No.	12.0
SS20H-20018	2.0	1.8	0.11	45	20 Lot No.	12.0
SS20H-R03660	0.3	66	3.2	45	R03 Lot No.	12.0
SS20H-R04450	0.4	45	2.0	45	R04 Lot No.	12.0
SS20H-R05350	0.5	35	1.5	45	R05 Lot No.	12.0
SS20H-R06200	0.6	20	0.93	45	R06 Lot No.	12.0
SS20H-R07160	0.7	16	0.75	45	R07 Lot No.	12.0
SS20H-R08125	0.8	12.5	0.66	45	R08 Lot No.	12.0
SS20H-R10100	1.0	10	0.42	45	R10 Lot No.	12.0
SS20H-R12063	1.2	6.3	0.36	45	R12 Lot No.	12.0
SS20H-R13052	1.3	5.2	0.25	45	R13 Lot No.	12.0
SS20H-R15033	1.5	3.3	0.19	45	R15 Lot No.	12.0
SS20H-R20023	2.0	2.3	0.11	45	R20 Lot No.	12.0

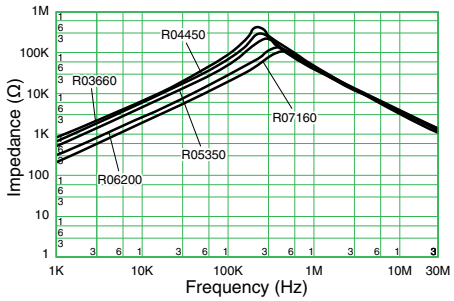
Specifications

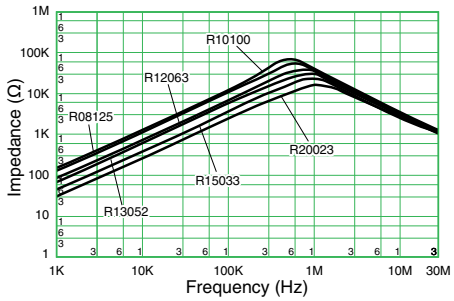
Item	SS20H
Rated Voltage	250 VAC
Withstanding Voltage	2,400 VAC (2 seconds, between lines)
Insulation Resistance	> 100 MΩ at 500 VDC (between lines)
Thermal Class	E (120°C)
Operating Temperature Range	–25°C to T (T = 120 – temperature rise)
Inductance Measurement Condition	1 kHz, 1 V, KC530

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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