SS Coils, SS11VL High Frequency Type

Overview

The KEMET SS Coils, SS11VL 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
- Super low profile: 20.5 mm maximum
- Inductances up to 82 mH
- Rated Currents up to 3 A
- DC Resistances as low as 0.06 Ω

Part Number System

SS	11	VL-	R	03	550
Series	Core Size (mm)	Core Orientation	Core Type	Rated Current (A)	Minimum Inductance (mH)
SS	11 = 11.0	VL- = Vertical	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., 550 = 55 mH) 0xx = x.x mH (e.g., 024 = 2.4 mH)

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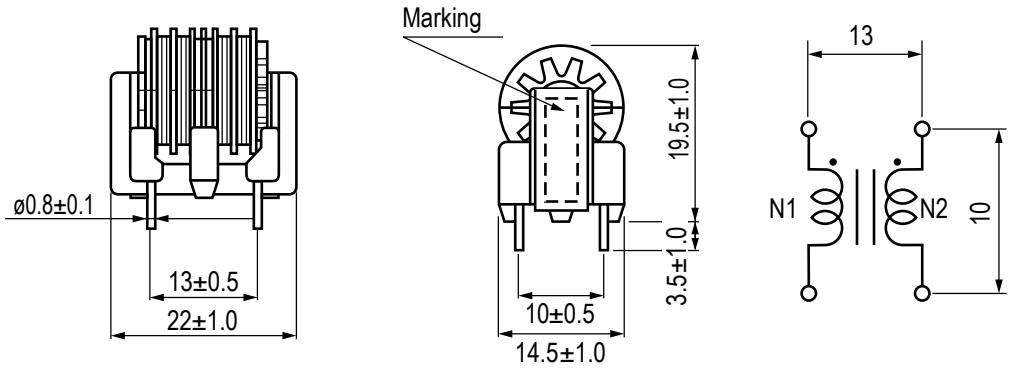
Dimensions – Millimeters



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.

RoHS Compliant

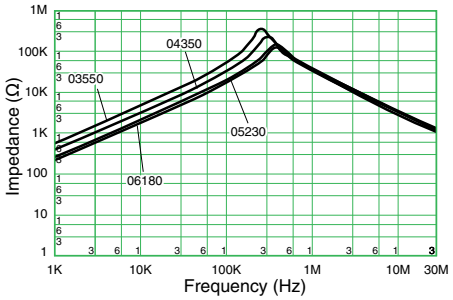
Table 1 – Ratings & Part Number Reference

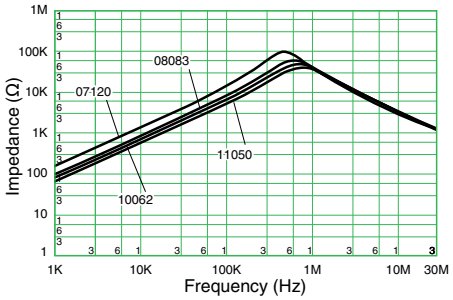
Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (Ω) Maximum	Temperature Rise (K) Maximum	Marking	Weight (g) Approximate
SS11VL-03550	0.3	55	4.1	45	03 Lot No.	10.5
SS11VL-04350	0.4	35	2.6	45	04 Lot No.	10.7
SS11VL-05230	0.5	23	1.8	45	05 Lot No.	10.5
SS11VL-06180	0.6	18	1.3	45	06 Lot No.	11.1
SS11VL-07120	0.7	12	0.90	45	07 Lot No.	10.8
SS11VL-08083	0.8	8.3	0.74	45	08 Lot No.	9.8
SS11VL-10062	1.0	6.2	0.44	45	10 Lot No.	11.1
SS11VL-11050	1.1	5.0	0.40	45	11 Lot No.	10.7
SS11VL-13035	1.3	3.5	0.28	45	13 Lot No.	10.5
SS11VL-17024	1.7	2.4	0.19	45	17 Lot No.	10.8
SS11VL-22013	2.2	1.3	0.12	45	22 Lot No.	10.4
SS11VL-30006	3.0	0.6	0.06	45	30 Lot No.	9.6
SS11VL-R03820	0.3	82	4.1	45	R03 Lot No.	10.5
SS11VL-R04520	0.4	52	2.6	45	R04 Lot No.	10.7
SS11VL-R05350	0.5	35	1.8	45	R05 Lot No.	10.5
SS11VL-R06270	0.6	27	1.3	45	R06 Lot No.	11.1
SS11VL-R07190	0.7	19	0.90	45	R07 Lot No.	10.8
SS11VL-R08125	0.8	12.5	0.74	45	R08 Lot No.	9.8
SS11VL-R10093	1.0	9.3	0.44	45	R10 Lot No.	11.1
SS11VL-R11076	1.1	7.6	0.40	45	R11 Lot No.	10.7
SS11VL-R13052	1.3	5.2	0.28	45	R13 Lot No.	10.5
SS11VL-R17036	1.7	3.6	0.19	45	R17 Lot No.	10.8
SS11VL-R22020	2.2	2.0	0.12	45	R22 Lot No.	10.4
SS11VL-R30009	3.0	0.9	0.06	45	R30 Lot No.	9.6

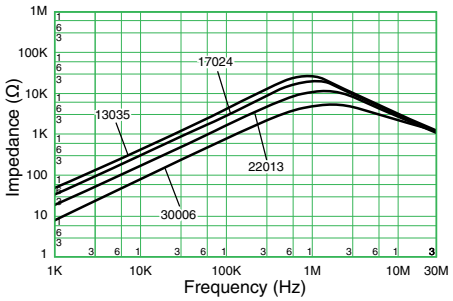
Specifications

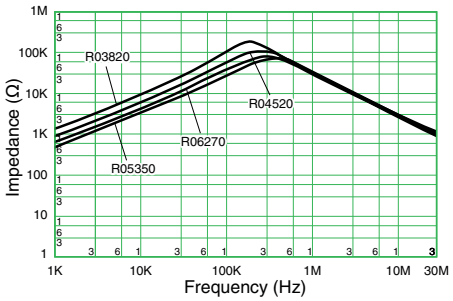
Item	SS11VL
Rated Voltage	250 VAC
Withstanding Voltage	2,400 VAC (2 seconds, between lines)
Insulation Resistance	> 100 MΩ at 500 VDC (between lines)
Thermal Class	E (120°C)
Operating Temperature Range	–25°C to T (T = 120 – temperature rise)
Inductance Measurement Condition	1 kHz, 1 V, KC530

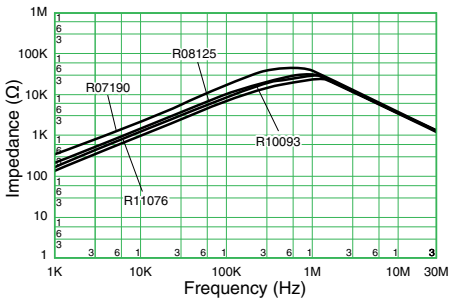
Frequency Characteristics

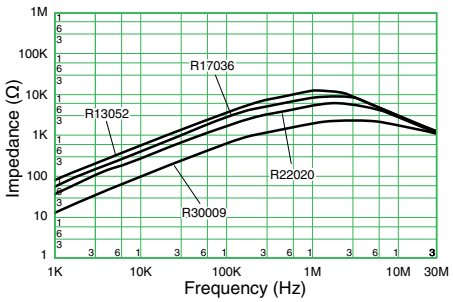












Notes on Use

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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