

Overview

The KEMET SS Coils, SS11V/H-CH 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 82 mH
- Rated Currents up to 3 A
- DC Resistances as low as 0.063 Ω

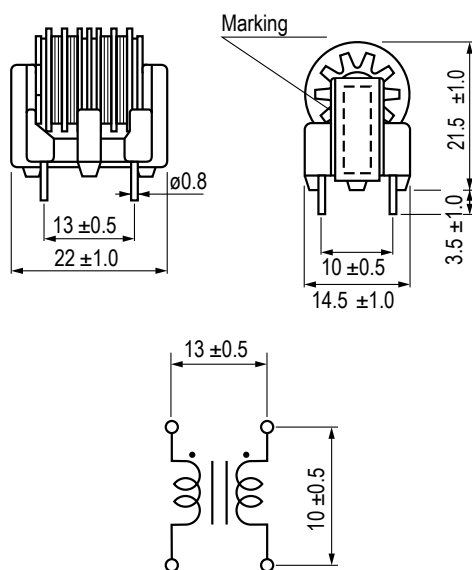


Part Number System

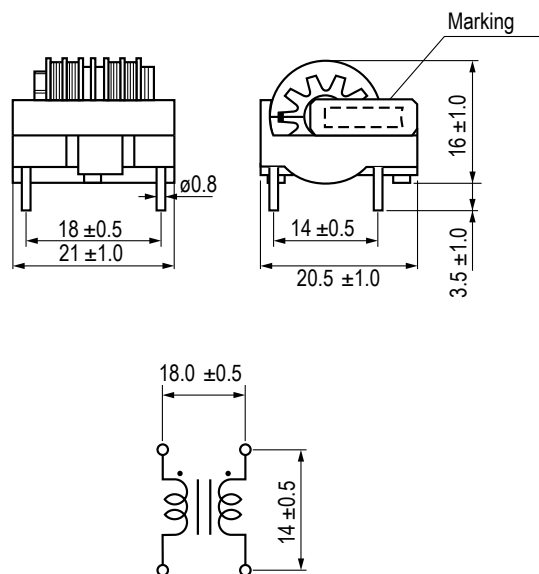
SS	11	V-	R	03	550-	CH
Series	Core Size (mm)	Core Orientation	Core Type	Rated Current (A)	Minimum Inductance (mH)	Product Type
SS	11 = 11.0	V- = Vertical H- = Horizontal	Blank = Standard R = High permeability	0x = 0.x A (e.g., 03 = 0.3 A) xx = x.x A (e.g., 13 = 1.3 A)	xx0- = xx mH (e.g., 550 = 55 mH) 0xx- = x.x mH (e.g., 024 = 2.4 mH)	CH

Dimensions – Millimeters

SS11V-CH



SS11H-CH



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

Table 1 – Ratings & Part Number Reference

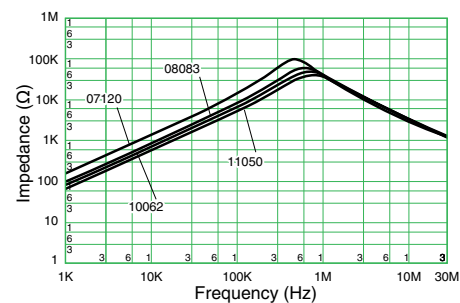
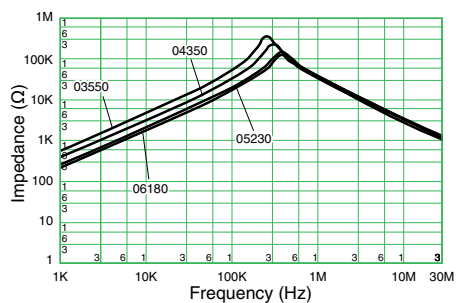
Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (Ω) Maximum	Temperature Rise (K) Maximum	Marking	Weight (g) Approximate
SS11(1)-03550-CH	0.3	55	4.1	45	03 Lot No.	10.5
SS11(1)-04350-CH	0.4	35	2.6	45	04 Lot No.	10.7
SS11(1)-05230-CH	0.5	23	1.8	45	05 Lot No.	10.5
SS11(1)-06180-CH	0.6	18	1.3	45	06 Lot No.	11.1
SS11(1)-07120-CH	0.7	12	0.90	45	07 Lot No.	10.8
SS11(1)-08083-CH	0.8	8.3	0.74	45	08 Lot No.	9.8
SS11(1)-10062-CH	1.0	6.2	0.44	45	10 Lot No.	11.1
SS11(1)-11050-CH	1.1	5.0	0.40	45	11 Lot No.	10.7
SS11(1)-13035-CH	1.3	3.5	0.28	45	13 Lot No.	10.5
SS11(1)-17024-CH	1.7	2.4	0.19	45	17 Lot No.	10.8
SS11(1)-22013-CH	2.2	1.3	0.12	45	22 Lot No.	10.4
SS11(1)-30006-CH	3.0	0.6	0.063	45	30 Lot No.	9.6
SS11(1)-R03820-CH	0.3	82	4.1	45	R03 Lot No.	10.5
SS11(1)-R04520-CH	0.4	52	2.6	45	R04 Lot No.	10.7
SS11(1)-R05350-CH	0.5	35	1.8	45	R05 Lot No.	10.5
SS11(1)-R06270-CH	0.6	27	1.3	45	R06 Lot No.	11.1
SS11(1)-R07190-CH	0.7	19	0.90	45	R07 Lot No.	10.8
SS11(1)-R08125-CH	0.8	12.5	0.74	45	R08 Lot No.	9.8
SS11(1)-R10093-CH	1.0	9.3	0.44	45	R10 Lot No.	11.1
SS11(1)-R11076-CH	1.1	7.6	0.40	45	R11 Lot No.	10.7
SS11(1)-R13052-CH	1.3	5.2	0.28	45	R13 Lot No.	10.5
SS11(1)-R17036-CH	1.7	3.6	0.19	45	R17 Lot No.	10.8
SS11(1)-R22020-CH	2.2	2.0	0.12	45	R22 Lot No.	10.4
SS11(1)-R30009-CH	3.0	0.9	0.063	45	R30 Lot No.	9.6

(1) To complete KEMET part number, insert V for vertical core type or H for horizontal core type.

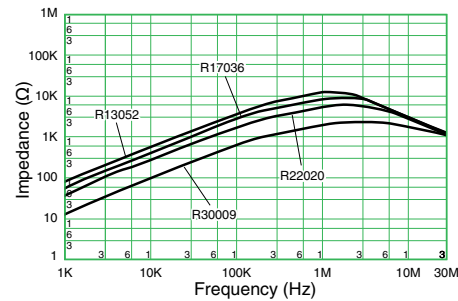
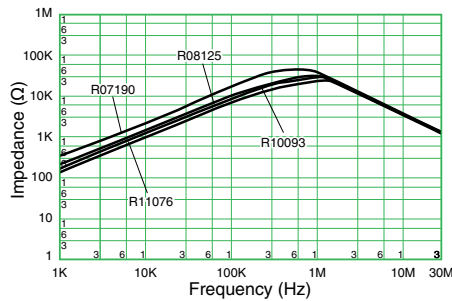
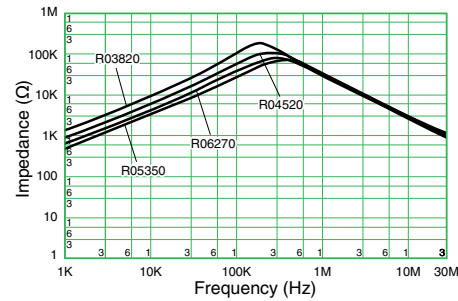
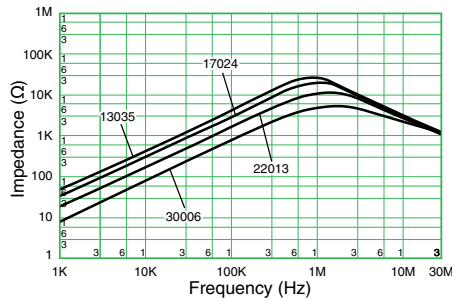
Specifications

Item	SS11V/H-CH
Rated Voltage	250 VAC
Withstanding Voltage	2400 VAC (2 seconds, between lines)
Insulation Resistance	> 100 MΩ @ 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



Frequency Characteristics 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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