

Overview

The KEMET SSR21H Series AC line filters are compact, low profile, and lightweight.

Applications

- Audio-visual equipment
- Office automation equipment
- Digital appliances
- Power supply devices
- Common mode choke

Benefits

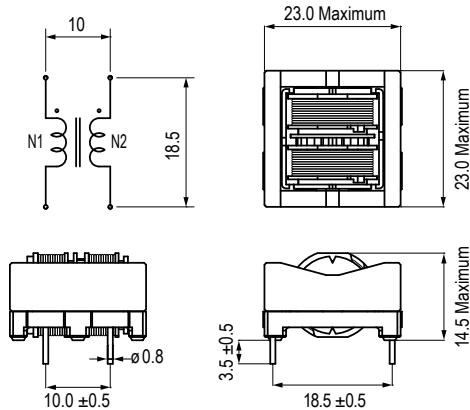
- High degree of characterization as a result of using industry's highest standard, high permeability core.
- Optimized design for compact size, low profile, and lightweight
- Non-split bobbin design for strong inductance characteristics and high impedance
- Inductance up to 155 mH
- Rated Currents up to 2.0 A
- DC Resistances as low as 0.11 Ω



Part Number System

SSR21H-	05	680
Series	Rated Current AC (A)	Minimum Inductance (mH)
SSR21H-	0x = 0.x A (e.g., 05 = 0.5 A) x0 = x.0 A (e.g., 10 = 1.0 A)	xxx0 = xxx mH (e.g., 1550 = 155 mH) xx0 = xx mH (e.g., 680 = 68 mH) xxx = xx.x mH (e.g., 425 = 42.5 mH) 0xx = x.x mH (e.g., 083 = 8.3 mH)

Dimensions – Millimeters



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

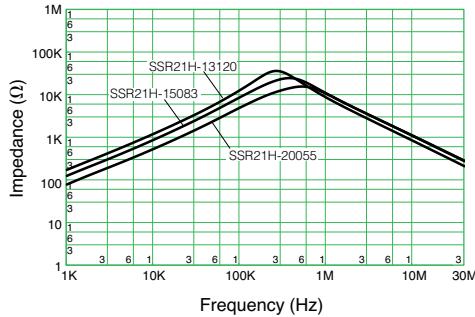
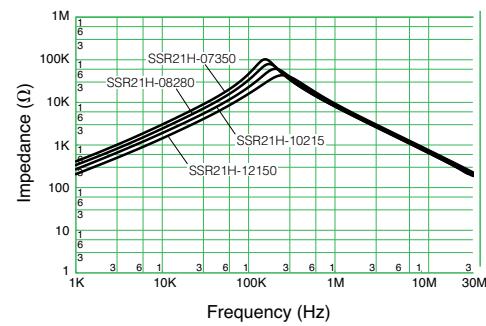
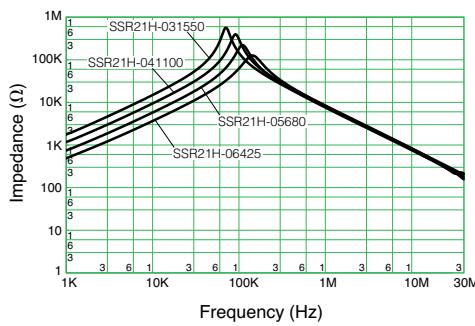
Table 1 – Ratings & Part Number Reference

Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/Line (Ω) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Weight (g) Approximate
SSR21H-031550	0.3	155	3.4	45	0.2	14
SSR21H-041100	0.4	110	2.2	45	0.23	14
SSR21H-05680	0.5	68	1.4	45	0.25	14
SSR21H-06425	0.6	42.5	0.89	45	0.28	14
SSR21H-07350	0.7	35	0.70	45	0.3	14
SSR21H-08280	0.8	28	0.54	45	0.32	14
SSR21H-10215	1.0	21.5	0.41	45	0.35	14
SSR21H-12150	1.2	15	0.32	45	0.37	14
SSR21H-13120	1.3	12	0.24	45	0.4	14
SSR21H-15083	1.5	8.3	0.16	45	0.45	14
SSR21H-20055	2.0	5.5	0.11	45	0.5	14

Specifications

Item	SSR21H
Rated Voltage	250 VDC
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	10 kHz, 1 mA

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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