

Overview

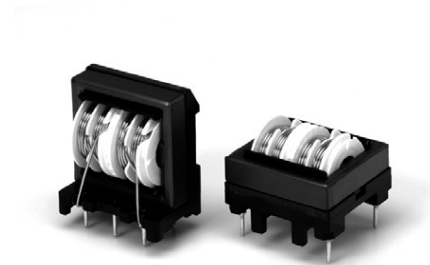
The KEMET SS Coils, SS35V/H Type AC line filters are offered in a wide variety of sizes and specifications.

Applications

- Consumer Electronics
- Common mode choke

Benefits

- Wide variety of sizes and specifications
- Inductances up to 30 mH
- Rated Currents up to 4.5 A
- DC Resistances as low as 0.06 Ω

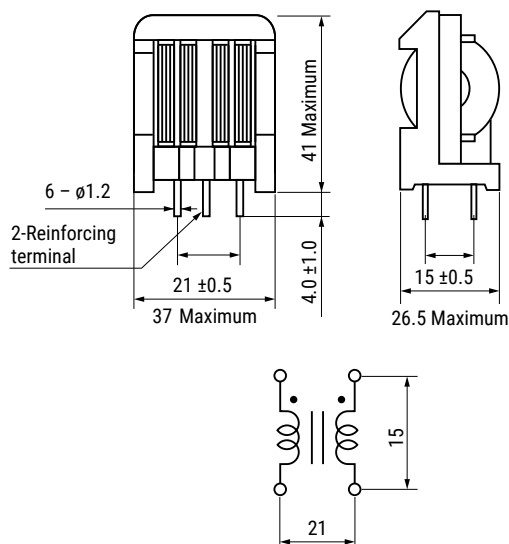


Part Number System

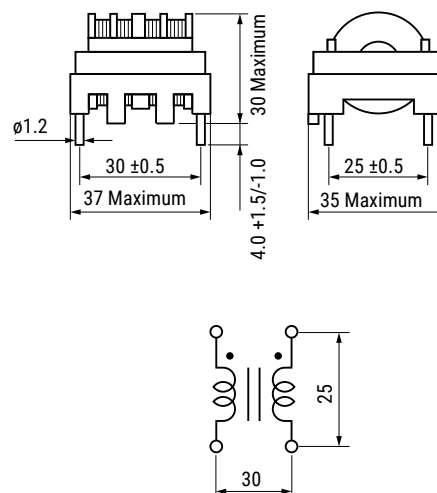
| SS | 35 | V- | 15 | 300 |
|--------|----------------|----------------------------------|-------------------------------|--|
| Series | Core Size (mm) | Core Orientation | Rated Current (A) | Minimum Inductance (mH) |
| SS | 35 = 35.0 | V- = Vertical H- = Horizontal | xx = x.x A (e.g., 15 = 1.5 A) | xx0 = xx mH (e.g., 300 = 30 mH) 0xx = x.x mH (e.g., 033 = 3.3 mH) |

Dimensions – Millimeters

SS35V



SS35H



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

Table 1 – Ratings & Part Number Reference

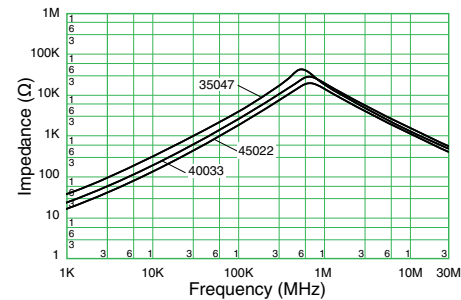
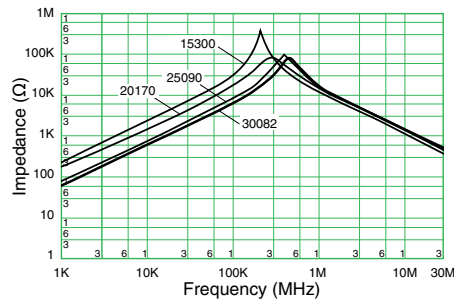
| Part Number | Rated Current AC (A) | Inductance (mH) Minimum | DC Resistance/ Line (Ω) Maximum | Temperature Rise (K) Maximum | Weight (g) Approximate | |
|---------------|-------------------------|-------------------------------|---------------------------------------|------------------------------------|------------------------|------|
| | | | | | V | H |
| SS35(1)-15300 | 1.5 | 30 | 0.48 | 45 | 60.0 | 57.0 |
| SS35(1)-20170 | 2.0 | 17 | 0.28 | 45 | 61.0 | 58.0 |
| SS35(1)-25090 | 2.5 | 9.0 | 0.20 | 45 | 59.0 | 56.0 |
| SS35(1)-30082 | 3.0 | 8.2 | 0.15 | 45 | 59.0 | 56.0 |
| SS35(1)-35047 | 3.5 | 4.7 | 0.10 | 45 | 57.0 | 54.0 |
| SS35(1)-40033 | 4.0 | 3.3 | 0.08 | 50 | 55.0 | 52.0 |
| SS35(1)-45022 | 4.5 | 2.2 | 0.06 | 50 | 53.0 | 50.0 |

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

Specifications

| Item | SS35V/H |
|----------------------------------|---|
| 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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