

## Overview

The KEMET SS Coils, SS26V 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
- High inductance in a compact design
- Pin pitch is identical to SS28V Type and SS24V Type, making design and replacement easier
- Inductances up to 117 mH
- Rated Currents up to 3 A
- DC Resistances as low as 0.10  $\Omega$

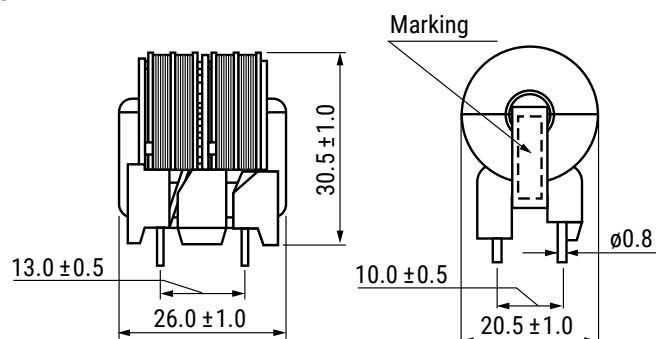


## Part Number System

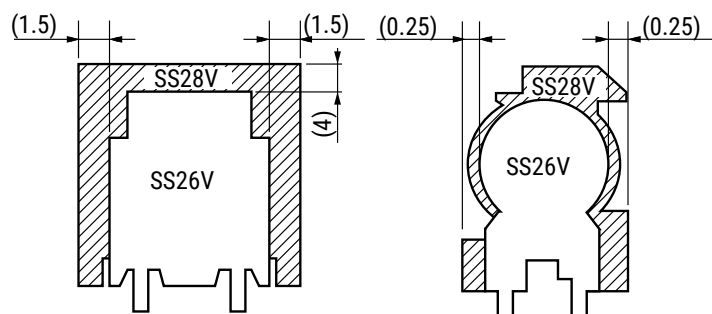
| SS     | 26             | V-               | R                                         | 05                                                             | 1170                                                                                                              |
|--------|----------------|------------------|-------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Series | Core Size (mm) | Core Orientation | Core Type                                 | Rated Current (A)                                              | Minimum Inductance (mH)                                                                                           |
| SS     | 26 = 26.0      | V- = Vertical    | Blank = Standard<br>R = High permeability | 0x = 0.x A (e.g., 05 = 0.5 A)<br>xx = x.x A (e.g., 25 = 2.5 A) | xxx0 = xxx mH (e.g., 1170 = 117 mH)<br>0xxx = xx mH (e.g., 0162 = 16.2 mH)<br>00xx = x.x mH (e.g., 0038 = 3.8 mH) |

## Dimensions – Millimeters

### SS26V



### Size Comparison with SS28V Type



## Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

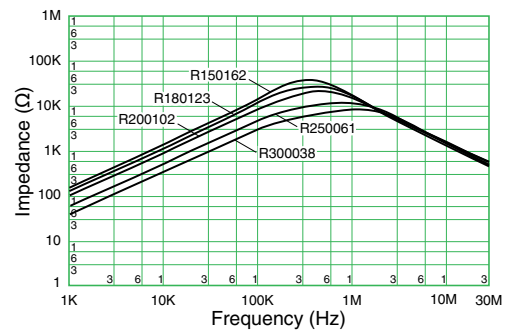
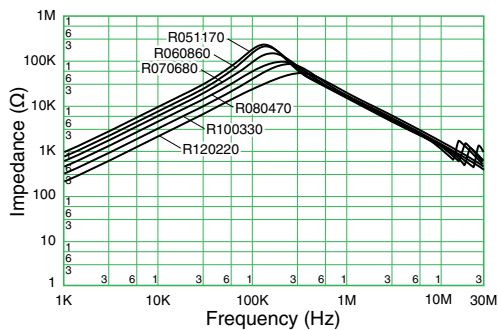
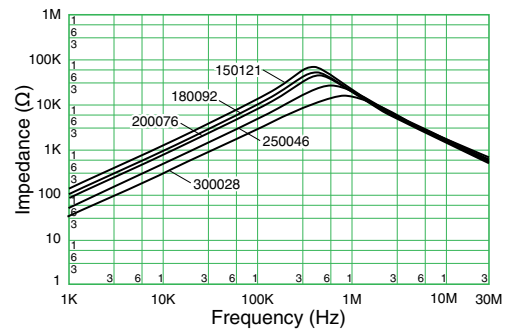
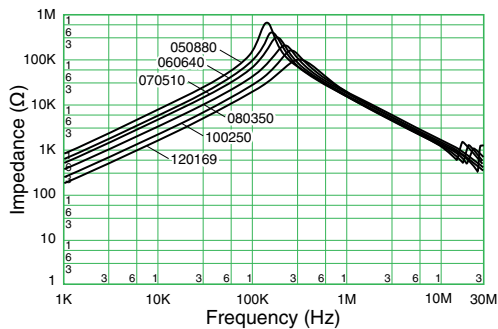
**Table 1 – Ratings & Part Number Reference**

| Part Number   | Rated Current<br>AC (A) | Inductance<br>(mH)<br>Minimum | DC Resistance/<br>Line (Ω)<br>Maximum | Temperature<br>Rise (K)<br>Maximum | Marking     | Weight (g)<br>Approximate |
|---------------|-------------------------|-------------------------------|---------------------------------------|------------------------------------|-------------|---------------------------|
| SS26V-050880  | 0.5                     | 88                            | 2.4                                   | 45                                 | 05 Lot No.  | 25.3                      |
| SS26V-060640  | 0.6                     | 64                            | 1.8                                   | 45                                 | 06 Lot No.  | 25.4                      |
| SS26V-070510  | 0.7                     | 51                            | 1.4                                   | 50                                 | 07 Lot No.  | 25.2                      |
| SS26V-080350  | 0.8                     | 35                            | 1.0                                   | 45                                 | 08 Lot No.  | 25.0                      |
| SS26V-100250  | 1.0                     | 25                            | 0.7                                   | 45                                 | 10 Lot No.  | 25.8                      |
| SS26V-120169  | 1.2                     | 16.9                          | 0.55                                  | 50                                 | 12 Lot No.  | 22.6                      |
| SS26V-150121  | 1.5                     | 12.1                          | 0.40                                  | 50                                 | 15 Lot No.  | 23.5                      |
| SS26V-180092  | 1.8                     | 9.2                           | 0.30                                  | 50                                 | 18 Lot No.  | 24.3                      |
| SS26V-200076  | 2.0                     | 7.6                           | 0.25                                  | 50                                 | 20 Lot No.  | 25.9                      |
| SS26V-250046  | 2.5                     | 4.6                           | 0.15                                  | 50                                 | 25 Lot No.  | 24.3                      |
| SS26V-300028  | 3.0                     | 2.8                           | 0.10                                  | 50                                 | 30 Lot No.  | 23.0                      |
| SS26V-R051170 | 0.5                     | 117                           | 2.4                                   | 45                                 | R05 Lot No. | 25.3                      |
| SS26V-R060860 | 0.6                     | 86                            | 1.8                                   | 45                                 | R06 Lot No. | 25.4                      |
| SS26V-R070680 | 0.7                     | 68                            | 1.4                                   | 50                                 | R07 Lot No. | 25.2                      |
| SS26V-R080470 | 0.8                     | 47                            | 1.0                                   | 45                                 | R08 Lot No. | 25.0                      |
| SS26V-R100330 | 1.0                     | 33                            | 0.7                                   | 45                                 | R10 Lot No. | 25.8                      |
| SS26V-R120220 | 1.2                     | 22                            | 0.55                                  | 50                                 | R12 Lot No. | 22.6                      |
| SS26V-R150162 | 1.5                     | 16.2                          | 0.40                                  | 50                                 | R15 Lot No. | 23.5                      |
| SS26V-R180123 | 1.8                     | 12.3                          | 0.30                                  | 50                                 | R18 Lot No. | 24.3                      |
| SS26V-R200102 | 2.0                     | 10.2                          | 0.25                                  | 50                                 | R20 Lot No. | 25.9                      |
| SS26V-R250061 | 2.5                     | 6.1                           | 0.15                                  | 50                                 | R25 Lot No. | 24.3                      |
| SS26V-R300038 | 3.0                     | 3.8                           | 0.10                                  | 50                                 | R30 Lot No. | 23.0                      |

## Specifications

| Item                             | SS26V                                   |
|----------------------------------|-----------------------------------------|
| 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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