SU Coils, SU 9V/9H Type

Overview

The KEMET SU Coils, SU 9V/9H Type AC line filters are offered in a wide variety of sizes and specifications.

Applications

- Consumer Electronics
- Common mode choke

Benefits

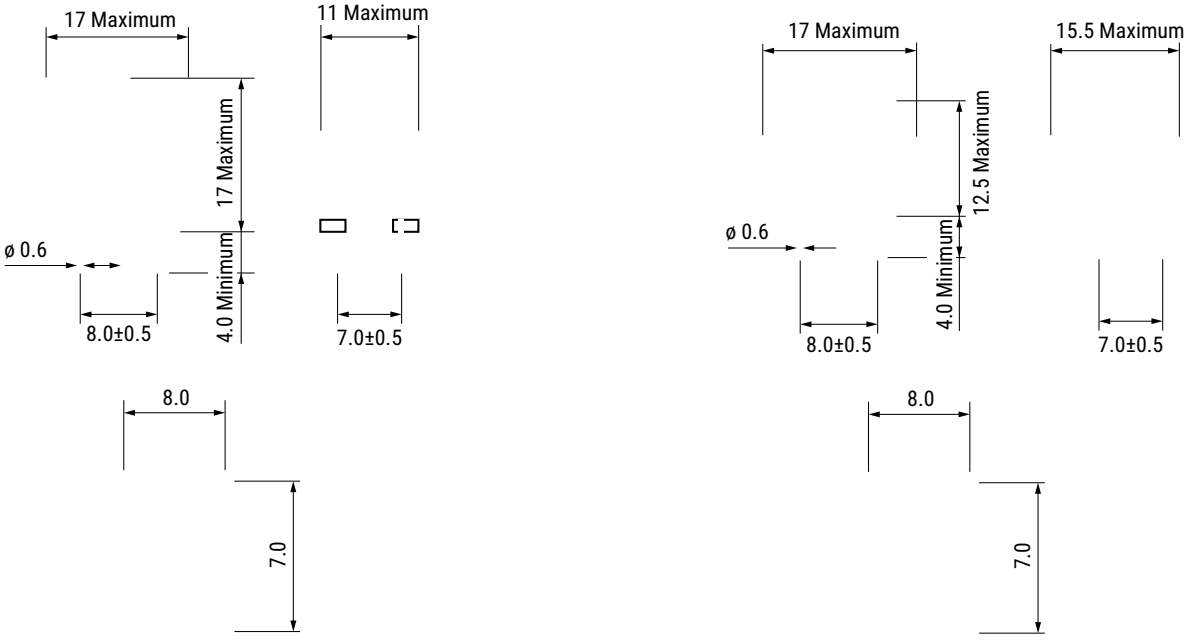
- Wide variety of sizes and specifications
- Inductances up to 18 mH
- Rated Currents up to 1.0 A
- DC Resistances as low as 0.3 Ω

Part Number System

SU	9	V-	R	02	140
Series	Core Size (mm)	Core Orientation	Core Type	Rated Current (A)	Minimum Inductance (mH)
SU	9 = 9.0	V- = Vertical H- = Horizontal	Blank = Standard R = High permeability	0x = 0.x A (e.g., 02 = 0.2 A) xx = x.x A (e.g., 10 = 1.0 A)	xx0 = xx mH (e.g., 140 = 14 mH) 0xx = x.x mH (e.g., 020 = 2.0 mH) 00x = 0.x mH (e.g., 005 = 0.5 mH)

Dimensions – Millimeters

SU9V



Specifications

Item	SU 9V/9H
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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