

Overview

The KEMET SU Coils, SU 10VFC-R Type AC line filters are offered in a wide variety of sizes and specifications.

Applications

- Consumer Electronics
- Common mode choke

Benefits

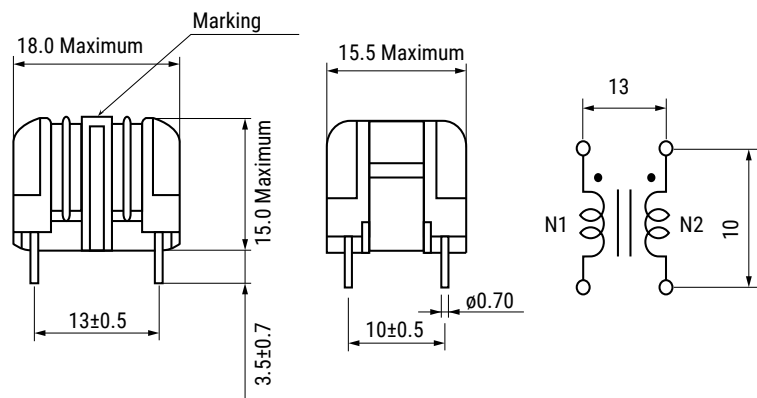
- Wide variety of sizes and specifications
- Super low profile: 15.0 mm maximum
- Inductances up to 37 mH
- Rated Currents up to 2.0 A
- DC Resistances as low as 0.15 Ω



Part Number System

SU	10	VFC-	R	03	370
Series	Core Size (mm)	Core Orientation	Core Type	Rated Current (A)	Minimum Inductance (mH)
SU	10 = 10.0	VFC- = Vertical	Blank = Standard R = High permeability	0x = 0.x A (e.g., 03 = 0.3 A) xx = x.x A (e.g., 15 = 1.5 A)	xx0 = xx mH (e.g., 370 = 37 mH) 0xx = x.x mH (e.g., 025 = 2.5 mH)

Dimensions – Millimeters



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.



RoHS Compliant

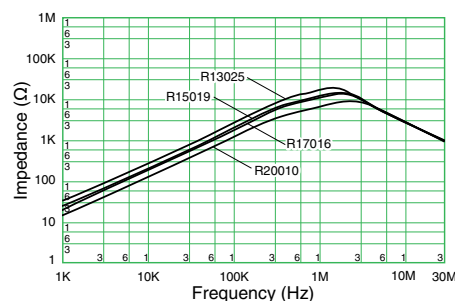
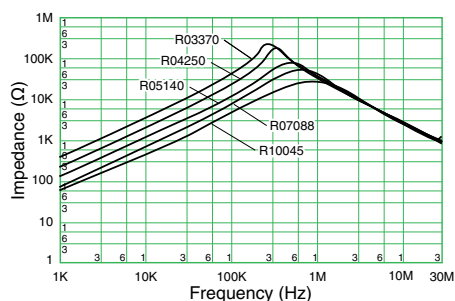
Table 1 – Ratings & Part Number Reference

Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (Ω) Maximum	Temperature Rise (K) Maximum	Marking	Weight (g) Approximate
SU10VFC-R03370	0.3	37	4.2	45	R03 Lot No.	6.5
SU10VFC-R04250	0.4	25	2.8	45	R04 Lot No.	6.5
SU10VFC-R05140	0.5	14	1.6	45	R05 Lot No.	6.4
SU10VFC-R07088	0.7	8.8	1.1	50	R07 Lot No.	6.3
SU10VFC-R10045	1.0	4.5	0.55	50	R10 Lot No.	6.4
SU10VFC-R13025	1.3	2.5	0.30	50	R13 Lot No.	6.6
SU10VFC-R15019	1.5	1.9	0.24	50	R15 Lot No.	6.5
SU10VFC-R17016	1.7	1.6	0.21	55	R17 Lot No.	6.2
SU10VFC-R20010	2.0	1.0	0.15	55	R20 Lot No.	6.2

Specifications

Item	SU 10VFC-R
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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Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required.

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