Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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SU Coils, SU 7VC Type

Overview

The KEMET SU Coils, SU 7VC Type AC line filters are offered in a wide variety of sizes and specifications.

Applications

- Consumer Electronics
- Common mode choke

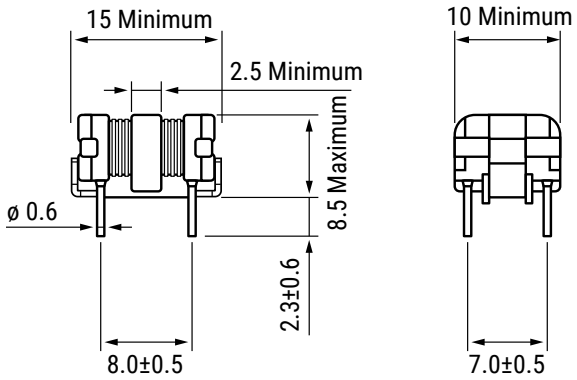
Benefits

- Wide variety of sizes and specifications
- Inductances up to 12 mH
- Rated Currents up to 1.2 A
- DC Resistances as low as 0.16 Ω

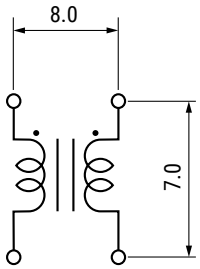
Part Number System

SU	7	VC-	02	120
Series	Core Size (mm)	Core Orientation	Rated Current (A)	Minimum Inductance (mH)
SU	7 = 7.0	VC- = Vertical	0x = 0.x A (e.g., 02 = 0.2 A) xx = x.x A (e.g., 10 = 1.0 A)	xx0 = xx.0 mH (e.g., 120 = 12.0 mH) 0xx = x.x mH (e.g., 011 = 1.1 mH) 00x = 0.x0 mH (e.g., 003 = 0.30 mH) Note: 002 = 0.25 mH, 004 = 0.35mH

Dimensions – Millimeters



Mounting Pitch



Environmental Compliance

All KEMET AC Line Filters are RoHS Compliant.

RoHS Compliant

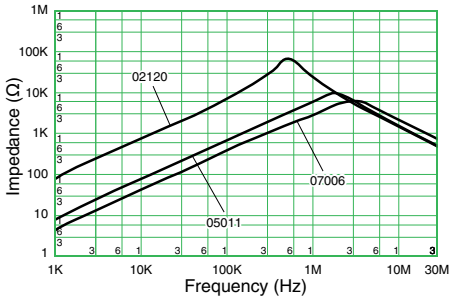
Table 1 – Ratings & Part Number Reference

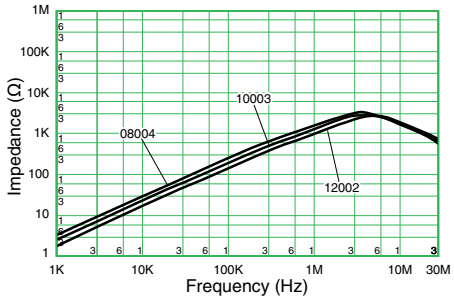
Part Number	Rated Current AC (A)	Inductance (mH) Minimum	DC Resistance/ Line (Ω) Maximum	Temperature Rise (K) Maximum	Marking	Weight (g) Approximate
SU7VC-02120	0.2	12.0	6.5	55	2 Lot No.	1.7
SU7VC-05011	0.5	1.1	0.84	45	3 Lot No.	1.6
SU7VC-07006	0.7	0.60	0.36	45	4 Lot No.	1.7
SU7VC-08004	0.8	0.35	0.22	45	5 Lot No.	1.7
SU7VC-10003	1.0	0.30	0.20	50	6 Lot No.	1.7
SU7VC-12002	1.2	0.25	0.16	55	9 Lot No.	1.7

Specifications

Item	SU 7VC
Rated Voltage	125 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.

KEMET Electronics Corporation Sales Offices

For a complete list of our global sales offices, please visit www.kemet.com/sales.

Disclaimer

All product specifications, statements, information and data (collectively, the "Information") in this datasheet are subject to change. The customer is responsible for checking and verifying the extent to which the Information contained in this publication is applicable to an order at the time the order is placed.

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Although KEMET designs and manufactures its products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product–related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicted or that other measures may not be required.