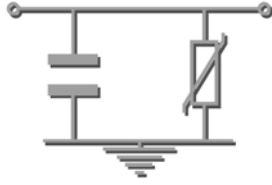
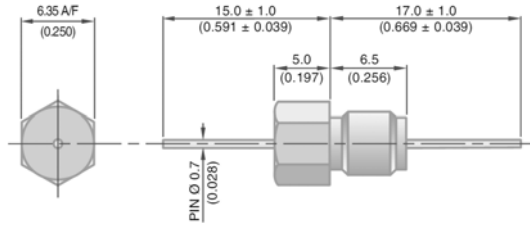


Varistor EMI Filter Datasheet
(M5 Thread : 6.35mm Hexagonal Head)

Circuit Configuration

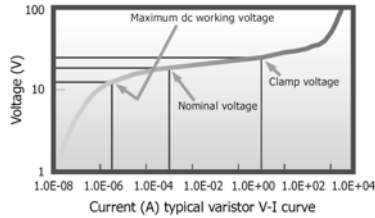


Dimensions mm (inches)



M5 × 0.8 – 6g Thread

Varistor V-I characteristics



Electrical Details	
Electrical Configuration	See Circuit Configuration
Capacitance Measurement	@ 1000hr Point
Temperature Rating	-55°C to +125°C
Working Voltages, Vdc	10, 14, 18, 26, 42
Capacitance Range, nF	1, 2.2, 4.7, 10, *
Maximum dc Current	10 Amps
* (other values can be supplied, consult sales office for details)	
Mechanical Details	
Head A/F	6.35mm (0.250")
Nut A/F	6mm (0.236")
Washer Diameter	9.1mm (0.358")
Mounting Torque	0.6Nm (5.31lbf in) max. if using nut 0.3Nm (2.65lbf in) max. if tapped into hole
Mounting Hole Diameter	5.2mm ± 0.1 (0.205" ± 0.004")
Max. Panel Thickness	3.4mm (0.134")
Weight (Typical)	1.8g (0.06oz)
Finish	Silver plate on copper undercoat

Maximum Continuous dc Working Voltage	
This is the maximum continuous dc working voltage which may be applied up to the maximum operating temperature of the Varistor.	
Nominal Voltage	
This is the voltage across the Varistor when drawing a dc current of 1 mA. It is this point that is notionally the start of the Region of Normal Varistor Operation.	
Maximum Clamping Voltage	
As a Varistor is designed for handling Transient Voltages, all tests requiring currents in excess of 1 mA are conducted as pulse tests.	
The Clamping Voltage of a Varistor is the peak voltage appearing across the device when measured under the conditions of a specified pulse current and a specified waveform.	

Product Code	Capacitance -20%+80% @1V, 1MHz	Typical insertion loss (db) 50Ω System No load				Maximum continuous working voltage V	Nominal voltage at 1mA dc		Maximum clamp voltage at 10V (8/20µs) V	Maximum non-repetitive surge energy (10/1000µs) J	Maximum non-repetitive surge current (8/20µs) A
		1MHz	10MHz	100MHz	1GHz		Min V	Max V			
SFCMV0260102ZM1	1000pF	0	4	23	41	26	30	40	60	1.5	300
SFCMV0420102ZM1						42	51	65	90	3	300
SFCMV0140222ZM1	2200pF	0	10	30	50	14	18.5	25.5	36	2	300
SFCMV0180222ZM1						18	22	28	40	2	300
SFCMV0260222ZM1						26	30	40	60	3	300
SFCMV0420222ZM1						42	51	65	90	3	300
SFCMV0010472ZM1	4700pF	1	16	36	55	10	13	20	30	1	300
SFCMV0140472ZM1						14	18.5	25.5	36	2	300
SFCMV0180472ZM1						18	22	28	40	2	300
SFCMV0260472ZM1						26	30	40	60	3	300
SFCMV0010103ZM1	10000pF	4	22	41	60	10	13	20	30	1	300
SFCMV0140103ZM1						14	18.5	25.5	36	2	300
SFCMV0180103ZM1						18	22	28	40	2	300

Ordering Information

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Nuts & washers
SF	C	M	V	018	0102	Z	M	1
Syfer Filter	6.35mm A/F	M5	Varistor	010 = 10V 014 = 14V 018 = 18V 026 = 26V 042 = 42V	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is the number of zeros following. Examples: 0102 = 1000pF 0472 = 4700pF	Z = -20%+80%	M = MOV	1 = With

Note: The addition of a 4-digit numerical suffix code can be used to denote changes to the standard part.

Options include for example: change of pin length / custom body dimensions or threads / alternative voltage rating / non-standard intermediate capacitance values / test requirements.

Please refer specific requests to the factory.

