

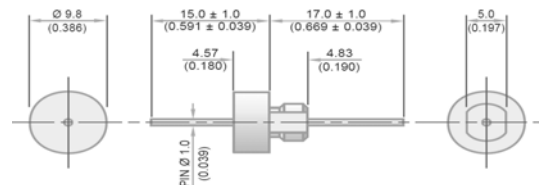
Feedthrough EMI Filter Datasheet

(M6 Thread : 9.8mm Round Head)

Circuit Configuration



Dimensions mm (inches)



Thread M6 × 0.75 – 6g

Electrical Details

Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	15A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	Not Applicable

Mechanical Details

Head Diameter	9.8mm (0.386")
Nut A/F	8.0mm (0.315")
Washer Diameter	11.35mm (0.447")
Mounting Torque	0.9Nm (7.97lbf in) max.
Mounting Hole Diameter	6.2mm O.D., 5.3mm A/F (0.244" O.D., 0.209" A/F)
Max. Panel Thickness	2.9mm (0.114")
Weight (Typical)	3.0g (0.11oz)
Finish	Silver plate on copper undercoat

Product Code	Hardware (Nuts & Washers etc.)	Capacitance ±20%	Dielectric	Rated Voltage (dc)	DWV (dc)	Typical Insertion Loss (db)					
						0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
SFJNC3K00101MC	0 = No hardware supplied 1 = supplied with standard nut and wavy washer Other options available – please contact factory	100pF	C0G	3kV	3.75kV					4	22
SFJNC3K00151MC		150pF	C0G	3kV	3.75kV					7	25
SFJNC3K00221MC		220pF	C0G	3kV	3.75kV					10	29
SFJNC2K00331MC		330pF	C0G	2kV	2.5kV					13	33
SFJNC2K00471MC		470pF	C0G	2kV	2.5kV				1	16	35
SFJNC2K00681MC		680pF	C0G	2kV	2.5kV				2	19	39
SFJNC2K00102MC		1.0nF	C0G	2kV	2.5kV				4	23	41
SFJNC2K00152MX		1.5nF	X7R	2kV	2.5kV				7	26	45
SFJNC2K00222MX		2.2nF	X7R	2kV	2.5kV				10	30	50
SFJNC2K00332MX		3.3nF	X7R	2kV	2.5kV				13	33	52
SFJNC2K00472MX		4.7nF	X7R	2kV	2.5kV			1	16	36	55
SFJNC2K00682MX		6.8nF	X7R	2kV	2.5kV			2	19	39	57
SFJNC2K00103MX		10nF	X7R	2kV	2.5kV			4	22	41	60
SFJNC1K00153MX		15nF	X7R	1kV	1.5kV			7	25	44	62
SFJNC1K00223MX		22nF	X7R	1kV	1.5kV			10	29	46	65
SFJNC1K00333MX		33nF	X7R	1kV	1.5kV			13	33	48	68
SFJNC1K00473MX		47nF	X7R	1kV	1.5kV		1	16	35	50	70
SFJNC1K00683MX		68nF	X7R	1kV	1.5kV		2	19	39	54	>70
SFJNC5000104MX		100nF	X7R	500	750		4	22	41	57	>70
SFJNC5000154MX		150nF	X7R	500	750		7	25	45	60	>70
SFJNC5000224MX		220nF	X7R	500	750		10	29	49	62	>70
SFJNC5000334MX		330nF	X7R	500	750		13	33	52	66	>70
SFJNC5000474MX		470nF	X7R	500	750	1	16	35	55	68	>70
SFJNC3000684MX		680nF	X7R	300	600	2	19	38	58	70	>70
SFJNC2000105MX		1.0µF	X7R	200	500	4	22	41	61	>70	>70
SFJNC1000155MX		1.5µF	X7R	100	250	7	25	45	64	>70	>70
SFJNC1000225MX		2.2µF	X7R	100	250	10	29	48	66	>70	>70
SFJNC0500335MX		3.3µF	X7R	50	125	14	34	52	70	>70	>70

Ordering Information

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Hardware
SF	J	N	C	500	0102	M	X	0
Syfer Filter	8.0mm A/F	M6	C = C Filter	050 = 50V 100 = 100V 200 = 200V 300 = 300V 500 = 500V 1K0 = 1kV 2K0 = 2kV 3K0 = 3kV	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is the number of zeros following. Examples: 0101 = 100pF 0332 = 3300pF	M = ±20%	C = C0G/NP0 X = X7R	0 = Without 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.

