

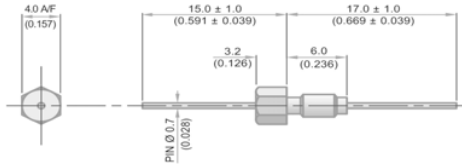
Filter Type SFAJC

Feedthrough EMI Filter Datasheet (M3 Thread : 4.0mm Hexagonal Head)

Circuit Configuration



Dimensions mm (inches)



M3 x 0.5 – 6g Thread

Electrical Details	
Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	Not Applicable
Mechanical Details	
Head A/F	4mm (0.157")
Nut A/F	4mm (0.157")
Washer Diameter	6.9mm (0.272")
Mounting Torque	0.25Nm (2.21lbf in) max. if using nut 0.15Nm (1.32lbf in) max. into tapped hole
Mounting Hole Diameter	3.15mm ± 0.1 (0.124" ± 0.004")
Max. Panel Thickness	3.2mm (0.126")
Weight (Typical)	0.5g (0.017oz)
Finish	Silver plate on copper undercoat

Product Code	Hardware (Nuts & Washers etc.)	Capacitance ±20% UOS	Dielectric	Rated Voltage (dc)	DWV (dc)	Typical Insertion Loss (db)					
						0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFAJC5000100ZC	O = No hardware supplied 1 = supplied with standard nut and wavy washer Other options available – please contact factory	10pF -20% / +80%	C0G	500	750						4
SFAJC5000150ZC		15pF -20% / +80%	C0G	500	750						7
SFAJC5000220ZC		22pF -20% / +80%	C0G	500	750						10
SFAJC5000330ZC		33pF -20% / +80%	C0G	500	750						12
*SFAJC5000470ZC		47pF -20% / +80%	C0G	500	750						15
*SFAJC5000680MC		68pF	C0G	500	750					1	18
*SFAJC5000101MC		100pF	C0G	500	750					4	22
SFAJC5000151MC		150pF	C0G	500	750					7	25
*SFAJC5000221MC		220pF	C0G	500	750					10	29
*SFAJC5000331MC		330pF	C0G	500	750					13	33
*SFAJC5000471MX		470pF	†X7R	500	750					1	35
SFAJC5000681MX		680pF	†X7R	500	750					2	36
*SFAJC5000102MX		1.0nF	X7R	500	750					4	41
SFAJC5000152MX		1.5nF	X7R	500	750					7	45
*SFAJC5000222MX		2.2nF	X7R	500	750					10	50
SFAJC5000332MX		3.3nF	X7R	500	750					13	52
*SFAJC5000472MX		4.7nF	X7R	500	750					1	55
SFAJC5000682MX		6.8nF	X7R	500	750					2	57
*SFAJC5000103MX		10nF	X7R	500	750					4	60
*SFAJC5000153MX		15nF	X7R	500	750					7	62
*SFAJC5000223MX		22nF	X7R	500	750					10	65
SFAJC5000333MX		33nF	X7R	500	750					13	68
*SFAJC2000473MX		47nF	X7R	200	500					1	70
SFAJC2000683MX		68nF	X7R	200	500					2	>70
SFAJC1000104MX		100nF	X7R	100	250					4	>70
SFAJC0500154MX		150nF	X7R	50	125					7	>70

* Recommended values

† Also available in COG

Ordering Information

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Hardware
SF	A	J	C	500	0102	M	X	O
Syfer Filter	4.0mm Hex Head	M3	C = C Filter	050 = 50V 100 = 100V 200 = 200V 500 = 500V	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 = 330pF	M = ±20% Z = -20+80%	C = COG/NPO 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.



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