



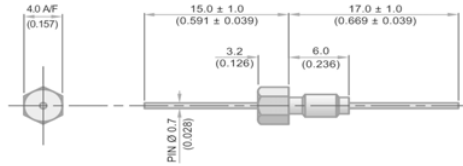
# Feedthrough EMI Filter Datasheet

(4-40 UNC Thread : 4.0mm Hexagonal Head)

## Circuit Configuration



## Dimensions mm (inches)



4-40 UNC Class 2A 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")
Mounting Torque	0.15Nm (1.32lbf in) max.
Mounting Hole Diameter	4-40 UNC Class 2B
Max. Panel Thickness	N/a
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 No-Load Insertion Loss (db)					
						0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFAAC5000100ZC	0 = No hardware supplied Other options available – please contact factory	10pF -20% / +80%	COG	500#	750						4
SFAAC5000150ZC		15pF -20% / +80%	COG	500#	750						7
SFAAC5000220ZC		22pF -20% / +80%	COG	500#	750						10
SFAAC5000330ZC		33pF -20% / +80%	COG	500#	750						12
*SFAAC5000470ZC		47pF -20% / +80%	COG	500#	750						15
*SFAAC5000680MC		68pF	COG	500#	750						18
*SFAAC5000101MC		100pF	COG	500#	750						22
SFAAC5000151MC		150pF	COG	500#	750						25
*SFAAC5000221MC		220pF	COG	500#	750						29
*SFAAC5000331MC		330pF	COG	500#	750						33
*SFAAC5000471MC		470pF	†X7R	500#	750				1	16	35
SFAAC5000681MC		680pF	†X7R	500#	750				2	19	36
*SFAAC5000102MX		1.0nF	X7R	500#	750				4	23	41
SFAAC5000152MX		1.5nF	X7R	500#	750				7	26	45
*SFAAC5000222MX		2.2nF	X7R	500#	750				10	30	50
SFAAC5000332MX		3.3nF	X7R	500#	750				13	33	52
*SFAAC5000472MX		4.7nF	X7R	500#	750				1	16	36
SFAAC5000682MX		6.8nF	X7R	500#	750				2	19	39
*SFAAC5000103MX		10nF	X7R	500#	750				4	22	41
*SFAAC5000153MX		15nF	X7R	500#	750				7	25	44
*SFAAC5000223MX		22nF	X7R	500#	750				10	29	46
SFAAC5000333MX		33nF	X7R	500#	750				13	33	48
*SFAAC2000473MX		47nF	X7R	200	500				1	16	35
SFAAC2000683MX		68nF	X7R	200	500				2	19	39
SFAAC1000104MX		100nF	X7R	100	250				4	22	41
SFAAC0500154MX		150nF	X7R	50	125				7	25	45

# - Also rated for operation at 115Vac 400Hz. Self heating will occur – evaluation in situ recommended

\* 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	A	C	500	0333	M	X	O
Syfer Filter	4.0mm Hex Head	4-40 UNC	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	O = Without

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.



Syfer Technology Ltd.  
Old Stoke Road, Arminghall  
Norwich, Norfolk, NR14 8SQ  
United Kingdom

Tel: +44 1603 723300 | Email [sales@syfer.co.uk](mailto:sales@syfer.co.uk) | [www.syfer.com](http://www.syfer.com)

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