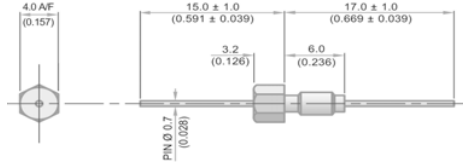


Feedthrough EMI Filter Datasheet
(6-32 UNC Thread : 4.0mm Hexagonal Head)

Circuit Configuration



Dimensions mm (inches)



6-32 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")
Nut A/F	4.75mm (0.187")
Washer Diameter	6.9mm (0.272")
Mounting Torque	0.3Nm (2.65lbf in) max. if using nut 0.15Nm (1.32lbf in) max. into tapped hole
Mounting Hole Diameter	3.7mm ± 0.1 (0.146" ± 0.004")
Max. Panel Thickness	3.2mm (0.126")
Weight (Typical)	0.6g (0.02oz)
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
*SFABC5000100ZC	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
SFABC5000150ZC		15pF -20% / +80%	C0G	500	750						7
SFABC5000220ZC		22pF -20% / +80%	C0G	500	750						10
SFABC5000330ZC		33pF -20% / +80%	C0G	500	750						12
*SFABC5000470ZC		47pF -20% / +80%	C0G	500	750						15
*SFABC5000680MC		68pF	C0G	500	750					1	18
*SFABC5000101MC		100pF	C0G	500	750					4	22
SFABC5000151MC		150pF	C0G	500	750					7	25
*SFABC5000221MC		220pF	C0G	500	750					10	29
*SFABC5000331MC		330pF	C0G	500	750					13	33
*SFABC5000471MX		470pF	†X7R	500	750				1	16	35
SFABC5000681MX		680pF	†X7R	500	750				2	19	36
*SFABC5000102MX		1.0nF	X7R	500	750				4	23	41
SFABC5000152MX		1.5nF	X7R	500	750				7	26	45
*SFABC5000222MX		2.2nF	X7R	500	750				10	30	50
SFABC5000332MX		3.3nF	X7R	500	750				13	33	52
*SFABC5000472MX		4.7nF	X7R	500	750			1	16	36	55
SFABC5000682MX		6.8nF	X7R	500	750			2	19	39	57
*SFABC5000103MX		10nF	X7R	500	750			4	22	41	60
*SFABC5000153MX		15nF	X7R	500	750			7	25	44	62
*SFABC5000223MX		22nF	X7R	500	750			10	29	46	65
SFABC5000333MX		33nF	X7R	500	750			13	33	48	68
*SFABC2000473MX		47nF	X7R	200	500		1	16	35	50	70
SFABC2000683MX		68nF	X7R	200	500		2	19	39	54	>70
SFABC1000104MX		100nF	X7R	100	250		4	22	41	57	>70
SFABC0500154MX		150nF	X7R	50	125		7	25	45	60	>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	B	C	500	0102	M	X	O
Syfer Filter	4.0mm Hex Head	6-32 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 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.

