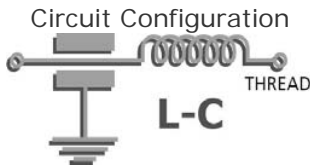
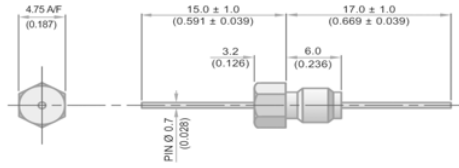


Filter Type
SFBCL

Feedthrough EMI Filter Datasheet
(8-32 UNC Thread : 4.75mm Hexagonal Head)



Dimensions mm (inches)



8-32 UNC Class 2A Thread

Electrical Details	
Electrical Configuration	L-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)	50nH
Mechanical Details	
Head A/F	4.75mm (0.187")
Nut A/F	6.35mm (0.250")
Washer Diameter	8mm (0.315")
Mounting Torque	0.5Nm (4.42lbf in) max. if using nut 0.25Nm (2.21lbf in) max. into tapped hole
Mounting Hole Diameter	4.4mm ± 0.1 (0.173" ± 0.004")
Max. Panel Thickness	2.9mm (0.114")
Weight (Typical)	1.2g (0.04oz)
Finish	Silver plate on copper undercoat

Product Code	Hardware	Capacitance ±20% UOS	Dielectric	Rated Voltage (dc)	DWV (dc)	Typical Insertion Loss (db)					
						0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFBCL5000100ZC	O = No hardware supplied 1 = supplied with standard nut and wavy washer Other options available - please contact factory	10pF -20% / +80%	C0G	500	750						6
SFBCL5000150ZC		15pF -20% / +80%	C0G	500	750						9
SFBCL5000220ZC		22pF -20% / +80%	C0G	500	750						12
SFBCL5000330ZC		33pF -20% / +80%	C0G	500	750					1	15
*SFBCL5000470ZC		47pF -20% / +80%	C0G	500	750					2	19
*SFBCL5000680MC		68pF	C0G	500	750					4	20
*SFBCL5000101MC		100pF	C0G	500	750					7	24
SFBCL5000151MC		150pF	C0G	500	750					10	27
*SFBCL5000221MC		220pF	C0G	500	750					12	30
*SFBCL5000331MC		330pF	C0G	500	750				1	16	34
*SFBCL5000471MX		470pF	†X7R	500	750				2	19	38
SFBCL5000681MX		680pF	†X7R	500	750				3	22	41
*SFBCL5000102MX		1.0nF	X7R	500	750				6	25	44
SFBCL5000152MX		1.5nF	X7R	500	750				9	29	48
*SFBCL5000222MX		2.2nF	X7R	500	750				12	31	51
SFBCL5000332MX		3.3nF	X7R	500	750				15	35	54
*SFBCL5000472MX		4.7nF	X7R	500	750			1	18	39	57
SFBCL5000682MX		6.8nF	X7R	500	750			2	21	41	60
*SFBCL5000103MX		10nF	X7R	500	750			4	23	43	63
*SFBCL5000153MX		15nF	X7R	500	750			7	27	46	66
*SFBCL5000223MX	22nF	X7R	500	750			10	30	48	68	
SFBCL5000333MX	33nF	X7R	500	750			13	34	50	70	
*SFBCL2000473MX	47nF	X7R	200	500		1	17	37	51	>70	
SFBCL2000683MX	68nF	X7R	200	500		2	20	40	55	>70	
SFBCL1000104MX	100nF	X7R	100	250		4	22	44	60	>70	
SFBCL0500154MX	150nF	X7R	50	125		7	25	47	62	>70	

* Recommended values

† Also available in COG

Ordering Information

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Nuts & washers
SF	B	C	L	500	0102	M	X	O
Syfer Filter	4.75mm Hex Head	8-32 UNC	L = L-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.



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

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Tel: +44 1603 723300 | Email sales@syfer.co.uk | www.syfer.com