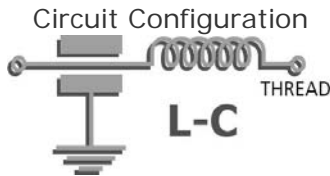
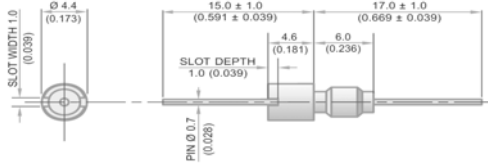


# Feedthrough EMI Filter Datasheet

(M3.5 Thread : 4.4mm Round Head)



Dimensions mm (inches)



M3.5 × 0.5 – 6g 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 Diameter	4.4mm (0.173")
Nut A/F	N/a. For use in tapped hole
Washer Diameter	N/a
Mounting Torque	0.18Nm (1.59lbf in) max.
Mounting Hole	M3.5 × 0.6 – 6h
Max. Panel Thickness	N/a
Weight (Typical)	0.8g (0.03oz)
Finish	Silver plate on copper undercoat

Product Code	Capacitance ±20%	Dielectric	Rated Voltage (dc)	DWV (dc)	Typical Insertion Loss (db)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFABL5000100ZC	10pF -20% / +80%	COG	500	750						6
SFABL5000150ZC	15pF -20% / +80%	COG	500	750						9
SFABL5000220ZC	22pF -20% / +80%	COG	500	750						12
SFABL5000330ZC	33pF -20% / +80%	COG	500	750					1	15
*SFABL5000470ZC	47pF -20% / +80%	COG	500	750					2	19
*SFABL5000680MC	68pF	COG	500	750					4	20
*SFABL5000101MC	100pF	COG	500	750					7	24
SFABL5000151MC	150pF	COG	500	750					10	27
*SFABL5000221MC	220pF	COG	500	750					12	30
*SFABL5000331MC	330pF	COG	500	750					16	34
*SFABL5000471MX	470pF	†X7R	500	750				1	16	34
SFABL5000681MX	680pF	†X7R	500	750				2	19	38
*SFABL5000102MX	1.0nF	X7R	500	750				3	22	41
SFABL5000152MX	1.5nF	X7R	500	750				6	25	44
*SFABL5000222MX	2.2nF	X7R	500	750				9	29	48
SFABL5000332MX	3.3nF	X7R	500	750				12	31	51
*SFABL5000472MX	4.7nF	X7R	500	750				15	35	54
SFABL5000682MX	6.8nF	X7R	500	750				1	18	39
*SFABL5000103MX	10nF	X7R	500	750				2	21	41
*SFABL5000153MX	15nF	X7R	500	750				4	23	43
*SFABL5000223MX	22nF	X7R	500	750				7	27	46
SFABL5000333MX	33nF	X7R	500	750				10	30	48
*SFABL2000473MX	47nF	X7R	200	500				13	34	50
SFABL2000683MX	68nF	X7R	200	500				1	17	37
SFABL1000104MX	100nF	X7R	100	250				2	20	40
SFABL0500154MX	150nF	X7R	50	125				4	22	44
								7	25	47
									62	>70
									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	K	K	L	500	0102	M	X	O
Syfer Filter	4.4mm O.D.	M3.5	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 = 3300pF	M = ±20% Z = -20+80%	C = COG/NPO X = X7R	O = Without

Note: Installation tool available on request

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.

