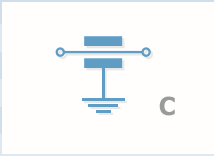


6-32 UNC Class 2A Thread
4.0mm Hexagonal Head

Electrical Details

Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55ºC to +125ºC
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	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFABC5000100ZC	10pF -20% / +80%	C0G/NP0	500#	750	-	-	-	-	-	4
SFABC5000150ZC	15pF -20% / +80%				-	-	-	-	-	7
SFABC5000220ZC	22pF -20% / +80%				-	-	-	-	-	10
SFABC5000330ZC	33pF -20% / +80%				-	-	-	-	-	12
*SFABC5000470ZC	47pF -20% / +80%				-	-	-	-	1	15
*SFABC5000680MC	68pF				-	-	-	-	2	18
*SFABC5000101MC	100pF				-	-	-	-	4	22
SFABC5000151MC	150pF				-	-	-	-	7	25
*SFABC5000221MC	220pF				-	-	-	-	10	29
*SFABC5000331MC	330pF				-	-	-	-	13	33
*SFABC5000471MX	470pF	†X7R			-	-	-	1	16	35
SFABC5000681MX	680pF				-	-	-	2	19	36
*SFABC5000102MX	1.0nF	X7R			-	-	-	4	23	41
SFABC5000152MX	1.5nF				-	-	-	7	26	45
*SFABC5000222MX	2.2nF				-	-	-	10	30	50
SFABC5000332MX	3.3nF				-	-	-	13	33	52
*SFABC5000472MX	4.7nF				-	-	1	16	36	55
SFABC5000682MX	6.8nF				-	-	2	19	39	57
*SFABC5000103MX	10nF				-	-	4	22	41	60
*SFABC5000153MX	15nF				-	-	7	25	44	62
*SFABC5000223MX	22nF				-	-	10	29	46	65
SFABC5000333MX	33nF				-	-	13	33	48	68
*SFABC2000473MX	47nF		200	500	-	1	16	35	50	70
SFABC2000683MX	68nF				-	2	19	39	54	>70
*SFABC2000104MX	100nF		100	250	-	4	22	41	57	>70
*SFABC0500154MX	150nF		50	125	-	7	25	45	60	>70

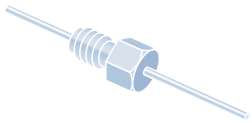
Also rated for operation at 115Vac 400Hz. Self heating will occur - evaluation in situ recommended. * Recommended values. † Also available in C0G/NP0.

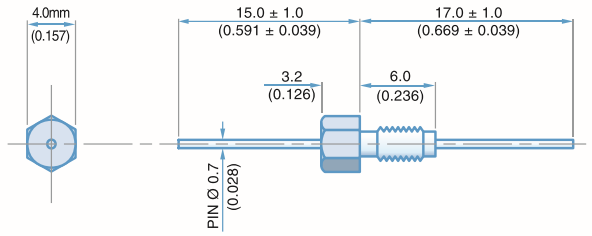
Ordering Information - SFABC range

SF	A	B	C	500	0102	M	X	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Hardware
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 number of zeros following Example: **0101** = 100pF **0332** = 3300pF	**M** = ±20% **Z** = -20+80%	**C** = C0G/NP0 **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 finish / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.

SFABL

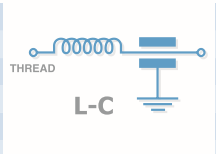




6-32 UNC Class 2A Thread
4.0mm Hexagonal Head

Electrical Details

Electrical Configuration	L-C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55ºC to +125ºC
Ferrite Inductance (Typical)	50nH



Mechanical Details

Head (A/F)	4.0mm *(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	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFABL5000100ZC	10pF -20% / +80%	C0G/NP0	500#	750	-	-	-	-	-	6
SFABL5000150ZC	15pF -20% / +80%				-	-	-	-	-	9
SFABL5000220ZC	22pF -20% / +80%				-	-	-	-	-	12
SFABL5000330ZC	33pF -20% / +80%				-	-	-	-	1	15
*SFABL5000470ZC	47pF -20% / +80%				-	-	-	-	2	19
*SFABL5000680MC	68pF				-	-	-	-	4	20
*SFABL5000101MC	100pF				-	-	-	-	7	24
SFABL5000151MC	150pF				-	-	-	-	10	27
*SFABL5000221MC	220pF				-	-	-	-	12	30
*SFABL5000331MC	330pF				-	-	-	1	16	34
*SFABL5000471MX	470pF	†X7R			-	-	-	2	19	38
SFABL5000681MX	680pF				-	-	-	3	22	41
*SFABL5000102MX	1.0nF	X7R			-	-	-	6	25	44
SFABL5000152MX	1.5nF				-	-	-	9	29	48
*SFABL5000222MX	2.2nF				-	-	-	12	31	51
SFABL5000332MX	3.3nF				-	-	-	15	35	54
*SFABL5000472MX	4.7nF				-	-	1	18	39	57
SFABL5000682MX	6.8nF				-	-	2	21	41	60
*SFABL5000103MX	10nF				-	-	4	23	43	63
*SFABL5000153MX	15nF				-	-	7	27	46	66
*SFABL5000223MX	22nF				-	-	10	30	48	68
SFABL5000333MX	33nF				-	-	13	34	50	70
*SFABL2000473MX	47nF		200	500	-	1	17	37	51	>70
SFABL2000683MX	68nF				-	2	20	40	55	>70
*SFABL1000104MX	100nF		100	250	-	4	22	44	60	>70
*SFABL0500154MX	150nF		50	125	-	7	25	47	62	>70

Also rated for operation at 115Vac 400Hz. Self heating will occur - evaluation in situ recommended. * Recommended values. † Also available in C0G/NP0.

Ordering Information- SFABL range

SF	A	B	L	500	0333	M	X	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Hardware
Syfer Filter	4.0mm Hex Head	6-32 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 number of zeros following Example: **0101** = 100pF **0332** = 3300pF	**M** = ±20% **Z** = -20+80%	**C** = C0G/NP0 **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 finish / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.