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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



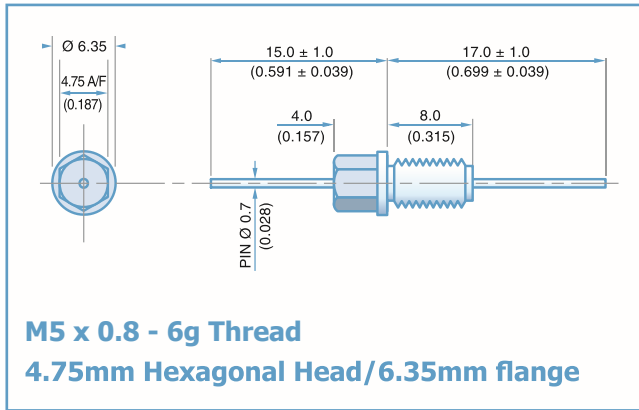
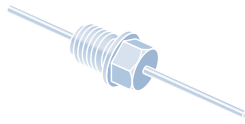
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### Electrical Details

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

Body Flange Diameter	6.35mm (0.250")
Head (A/F)	4.75mm (0.187")
Nut A/F	6.0mm (0.236")
Washer Diameter	9.1mm (0.358")
Mounting Torque	0.6Nm (5.31lbf in) max. if using nut 0.3Nm (2.65lbf in) max. into tapped hole
Mounting Hole Diameter	5.2mm ±0.1 (0.205 ±0.004")
Max. Panel Thickness	4.9mm (0.193")
Weight (Typical)	1.5g (0.05oz)
Finish	Silver plate on copper undercoat

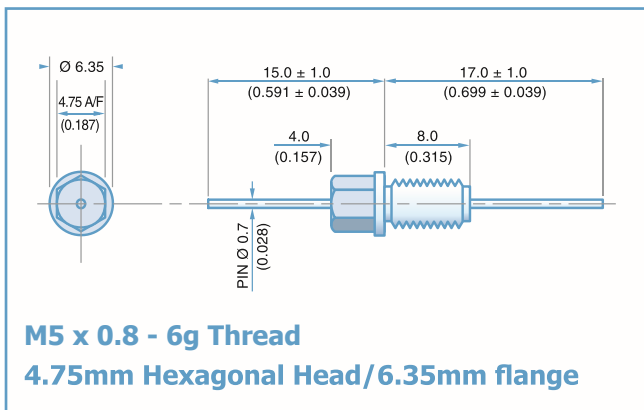
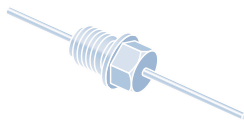
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFBMC5000100ZC	10pF -20% / +80%	COG/NP0	500#	750	-	-	-	-	-	4
SFBMC5000150ZC	15pF -20% / +80%				-	-	-	-	-	7
SFBMC5000220ZC	22pF -20% / +80%				-	-	-	-	-	10
SFBMC5000330ZC	33pF -20% / +80%				-	-	-	-	-	12
*SFBMC5000470ZC	47pF -20% / +80%				-	-	-	-	1	15
*SFBMC5000680MC	68pF				-	-	-	-	2	18
*SFBMC5000101MC	100pF				-	-	-	-	4	22
SFBMC5000151MC	150pF				-	-	-	-	7	25
*SFBMC5000221MC	220pF				-	-	-	-	10	29
*SFBMC5000331MC	330pF				-	-	-	-	13	33
*SFBMC5000471MX	470pF	†X7R	500#	750	-	-	-	1	16	35
SFBMC5000681MX	680pF	-			-	-	2	19	36	
*SFBMC5000102MX	1.0nF	X7R			-	-	-	4	23	41
SFBMC5000152MX	1.5nF				-	-	-	7	26	45
*SFBMC5000222MX	2.2nF				-	-	-	10	30	50
SFBMC5000332MX	3.3nF				-	-	-	13	33	52
*SFBMC5000472MX	4.7nF				-	-	1	16	36	55
SFBMC5000682MX	6.8nF				-	-	2	19	39	57
*SFBMC5000103MX	10nF				-	-	4	22	41	60
*SFBMC5000153MX	15nF				-	-	7	25	44	62
*SFBMC5000223MX	22nF		-	-	10	29	46	65		
SFBMC5000333MX	33nF		-	-	13	33	48	68		
*SFBMC2000473MX	47nF		200	500	-	1	16	35	50	70
SFBMC2000683MX	68nF		-	-	-	2	19	39	54	>70
*SFBMC1000104MX	100nF		100	250	-	4	22	41	57	>70
*SFBMC0500154MX	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 COG/NP0.

### Ordering Information - SFBMC range

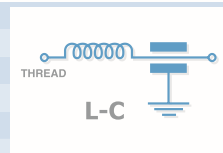
SF	B	M	C	500	0102	M	X	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	4.75mm Hex Head	M5	C = C Filter	<b>050</b> = 50V <b>100</b> = 100V <b>200</b> = 200V <b>500</b> = 500V	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: <b>0101</b> = 100pF <b>0332</b> = 3300pF	<b>M</b> = ±20% <b>Z</b> = -20+80%	<b>C</b> = COG/NP0 <b>X</b> = X7R	<b>0</b> = Without <b>1</b> = 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.



**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)	500nH



**Mechanical Details**

Body Flange Diameter	6.35mm (0.250")
Head (A/F)	4.75mm (0.187")
Nut A/F	6.0mm (0.236")
Washer diameter	9.1mm (0.358")
Mounting Torque	0.6Nm (5.31bf in) max. if using nut 0.3Nm (2.65bf in) max. into tapped hole
Mounting Hole Diameter	5.2mm ±0.1 (0.205" ±0.004")
Max. Panel Thickness	4.9mm (0.193")
Weight (Typical)	1.5g (0.05oz)
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		
*SFBML5000100ZC	10pF -20% / +80%	COG/NPO	500#	750	-	-	-	-	-	6		
SFBML5000150ZC	15pF -20% / +80%				-	-	-	-	-	9		
SFBML5000220ZC	22pF -20% / +80%				-	-	-	-	-	12		
SFBML5000330ZC	33pF -20% / +80%				-	-	-	-	1	15		
*SFBML5000470ZC	47pF -20% / +80%				-	-	-	-	2	19		
*SFBML5000680MC	68pF				-	-	-	-	4	20		
*SFBML5000101MC	100pF				-	-	-	-	7	24		
SFBML5000151MC	150pF				-	-	-	-	10	27		
*SFBML5000221MC	220pF				-	-	-	-	12	30		
*SFBML5000331MC	330pF				-	-	-	1	16	34		
*SFBML5000471MX	470pF	†X7R			200	500	-	-	-	2	19	38
SFBML5000681MX	680pF	-					-	-	3	22	41	
*SFBML5000102MX	1.0nF	X7R					-	-	-	6	25	44
SFBML5000152MX	1.5nF						-	-	-	9	29	48
*SFBML5000222MX	2.2nF						-	-	-	12	31	51
SFBML5000332MX	3.3nF						-	-	-	15	35	54
*SFBML5000472MX	4.7nF						-	-	1	18	39	57
SFBML5000682MX	6.8nF						-	-	2	21	41	60
*SFBML5000103MX	10nF						-	-	4	23	43	63
*SFBML5000153MX	15nF						-	-	7	27	46	66
*SFBML5000223MX	22nF				-	-	10	30	48	68		
SFBML5000333MX	33nF				-	-	13	34	50	70		
*SFBML2000473MX	47nF				100	250	-	1	17	37	51	>70
SFBML2000683MX	68nF						-	2	20	40	55	>70
*SFBML1000104MX	100nF						-	4	22	44	60	>70
*SFBML0500154MX	150nF				50	125	-	7	25	47	62	>70

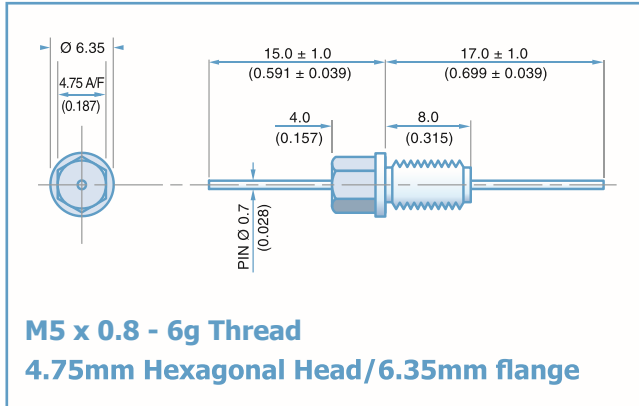
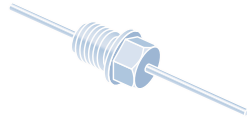
# Also rated for operation at 115Vac 400Hz. Self heating will occur - evaluation in situ recommended. \* Recommended values. † Also available in COG/NPO.

**Ordering Information - SFBML range**

SF	B	M	L	500	0102	M	X	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	4.75mm Hex Head	M5	L = L-C Filter	<b>050</b> = 50V <b>100</b> = 100V <b>200</b> = 200V <b>500</b> = 500V	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: <b>0101</b> = 100pF <b>0332</b> = 3300pF	<b>M</b> = ±20% <b>Z</b> = -20+80%	<b>C</b> = COG/NPO <b>X</b> = X7R	<b>0</b> = Without <b>1</b> = With

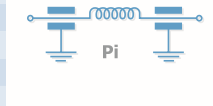
Note: The addition of a 4-digit numerical suffix code can be used to denote changes to the standard part. Options include for example: change of finish / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.





### Electrical Details

Electrical Configuration	Pi Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	250nH



### Mechanical Details

Body Flange Diameter	6.35mm (0.250")
Head A/F	4.75mm (0.187")
Nut A/F	6mm (0.236")
Washer Diameter	9.1mm (0.358")
Mounting Torque	0.6Nm (5.31lbf in) max. if using nut 0.3Nm (2.65lbf in) max. into tapped hole
Mounting Hole Diameter	5.2mm ± 0.1 (0.205" ± 0.004")
Max. Panel Thickness	4.9mm (0.193")
Weight (Typical)	1.5g (0.05oz)
Finish	Silver plate on copper undercoat

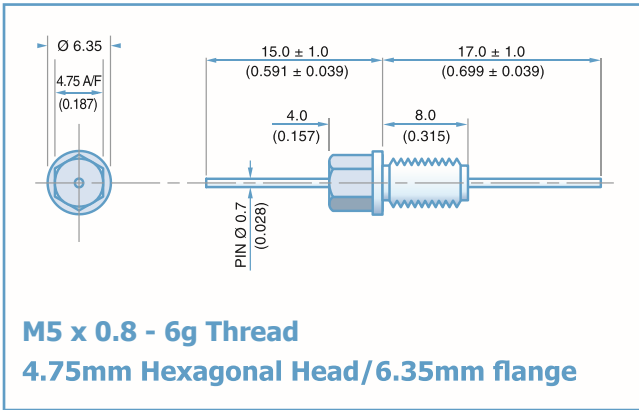
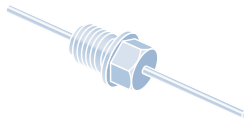
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFBMP5000200ZC	20pF -20% / +80%	COG/NP0	500#	750	-	-	-	-	1	11
SFBMP5000300ZC	30pF -20% / +80%				-	-	-	2	15	
SFBMP5000440ZC	44pF -20% / +80%				-	-	-	3	19	
SFBMP5000660ZC	66pF -20% / +80%				-	-	-	4	23	
*SFBMP5000940ZC	94pF -20% / +80%				-	-	-	6	29	
*SFBMP500136PMC	136pF				-	-	-	8	35	
*SFBMP5000201MC	200pF				-	-	-	11	41	
SFBMP5000301MC	300pF				-	-	1	15	50	
*SFBMP5000441MC	440pF				-	-	2	20	57	
*SFBMP5000661MC	660pF				-	-	3	25	65	
*SFBMP5000941MX	940pF	X7R	500#	750	-	-	-	5	31	68
SFBMP5001N36MX	1.36nF				-	-	-	7	37	>70
*SFBMP5000202MX	2nF				-	-	-	10	44	>70
SFBMP5000302MX	3nF				-	-	-	13	51	>70
*SFBMP5000442MX	4.4nF				-	-	1	17	59	>70
SFBMP5000662MX	6.6nF				-	-	2	21	64	>70
*SFBMP5000942MX	9.4nF				-	-	4	27	68	>70
SFBMP50013N6MX	13.6nF				-	-	6	34	>70	>70
*SFBMP5000203MX	20nF				-	-	9	40	>70	>70
*SFBMP5000303MX	30nF				-	-	12	48	>70	>70
*SFBMP5000443MX	44nF	-	-	1	14	54	>70	>70		
SFBMP5000663MX	66nF	-	-	2	17	63	>70	>70		
*SFBMP2000943MX	94nF	-	200	500	-	4	18	68	>70	>70
SFBMP200136NMX	136nF	-	-	-	-	8	25	>70	>70	>70
*SFBMP1000204MX	200nF	-	100	250	-	10	27	>70	>70	>70
*SFBMP0500304MX	300nF	-	50	125	-	13	30	>70	>70	>70

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

### Ordering Information - SFBMP range

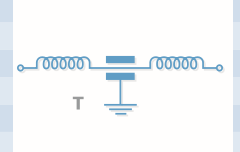
SF	B	M	P	200	0943	M	X	O
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	4.75mm Hex Head	M5	P = Pi Filter	<b>050</b> = 50V <b>100</b> = 100V <b>200</b> = 200V <b>500</b> = 500V	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: <b>0201</b> = 200pF <b>0943</b> = 94000pF	<b>M</b> = ±20% <b>Z</b> = -20+80%	<b>C</b> = COG/NP0 <b>X</b> = X7R	<b>O</b> = 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 finish / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.



**Electrical Details**

Electrical Configuration	T Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	450nH



**Mechanical Details**

Body Flange Diameter	6.35mm (0.250")
Head (A/F)	4.75mm (0.187")
Nut A/F	6.0mm (0.236")
Washer diameter	9.1mm (0.358")
Mounting Torque	0.6Nm (5.31bf in) max. if using nut 0.3Nm (2.65bf in) max. into tapped hole
Mounting Hole Diameter	5.2mm ±0.1 (0.205" ±0.004")
Max. Panel Thickness	4.9mm (0.193")
Weight (Typical)	1.5g (0.05oz)
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
*SFBMT5000100ZC	10pF -20% / +80%	COG/NPO	500#	750	-	-	-	-	-	9
SFBMT5000150ZC	15pF -20% / +80%				-	-	-	-	-	11
SFBMT5000220ZC	22pF -20% / +80%				-	-	-	-	1	14
SFBMT5000330ZC	33pF -20% / +80%				-	-	-	-	2	18
*SFBMT5000470ZC	47pF -20% / +80%				-	-	-	-	4	20
*SFBMT5000680MC	68pF				-	-	-	-	6	23
*SFBMT5000101MC	100pF				-	-	-	-	9	27
SFBMT5000151MC	150pF				-	-	-	-	12	30
*SFBMT5000221MC	220pF				-	-	-	-	15	33
*SFBMT5000331MC	330pF				-	-	-	1	19	36
*SFBMT5000471MX	470pF	†X7R	500#	750	-	-	-	2	21	40
SFBMT5000681MX	680pF	-			-	-	4	24	43	
*SFBMT5000102MX	1.0nF	X7R			-	-	-	7	28	47
SFBMT5000152MX	1.5nF				-	-	-	10	30	50
*SFBMT5000222MX	2.2nF				-	-	-	13	34	53
SFBMT5000332MX	3.3nF				-	-	-	17	38	57
*SFBMT5000472MX	4.7nF				-	-	-	19	40	59
SFBMT5000682MX	6.8nF				-	-	1	23	43	63
*SFBMT5000103MX	10nF				-	-	4	26	45	66
*SFBMT5000153MX	15nF				-	-	7	29	47	68
*SFBMT5000223MX	22nF		-	-	10	33	49	70		
SFBMT5000333MX	33nF		-	-	14	36	50	>70		
*SFBMT2000473MX	47nF	X7R	200	500	-	1	17	39	52	>70
SFBMT2000683MX	68nF		-	2	20	42	57	>70		
*SFBMT1000104MX	100nF		100	250	-	4	22	46	62	>70
*SFBMT0500154MX	150nF	X7R	50	125	-	7	25	49	68	>70

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

**Ordering Information - SFBMT range**

SF	B	M	T	500	0102	M	X	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	4.75mm Hex head	M5	T = T Filter	<b>050</b> = 50V <b>100</b> = 100V <b>200</b> = 200V <b>500</b> = 500V	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: <b>0101</b> = 100pF <b>0332</b> = 3300pF	<b>M</b> = ±20% <b>Z</b> = -20+80%	<b>C</b> = COG/NPO <b>X</b> = X7R	<b>0</b> = 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 finish / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.