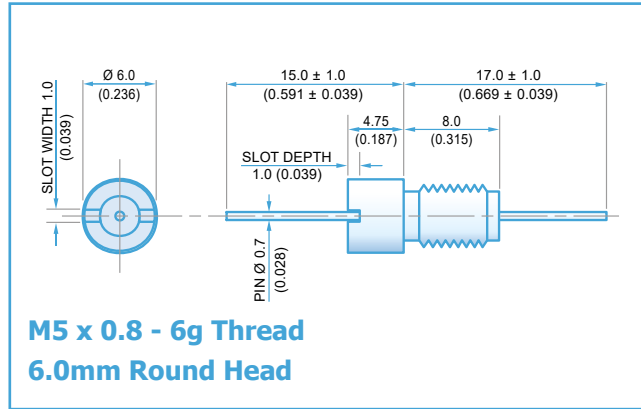
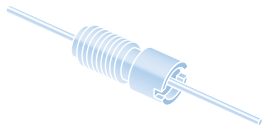




Electrical Details

Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10G Ω or 1000 Ω F
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	Not Applicable



Mechanical Details

Head Diameter	6.0mm (0.236")
Nut A/F	N/A. For use in tapped hole
Washer Diameter	N/A
Mounting Torque	0.3Nm (2.65lbf in) max.
Mounting Hole	M5 x 0.8 - 6h
Max. Panel Thickness	N/A
Weight (Typical)	2.0g (0.07oz)
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
*SFLMC5000100ZC	10pF -20% / +80%	C0G/NP0	500#	750						4
SFLMC5000150ZC	15pF -20% / +80%									7
SFLMC5000220ZC	22pF -20% / +80%									10
SFLMC5000330ZC	33pF -20% / +80%									12
*SFLMC5000470ZC	47pF -20% / +80%								1	15
*SFLMC5000680MC	68pF								2	18
*SFLMC5000101MC	100pF								4	22
SFLMC5000151MC	150pF								7	25
*SFLMC5000221MC	220pF								10	29
*SFLMC5000331MC	330pF								13	33
*SFLMC5000471MX	470pF	†X7R					1	16	35	
SFLMC5000681MX	680pF						2	19	36	
*SFLMC5000102MX	1.0nF	X7R					4	23	41	
SFLMC5000152MX	1.5nF						7	26	45	
*SFLMC5000222MX	2.2nF						10	30	50	
SFLMC5000332MX	3.3nF						13	33	52	
*SFLMC5000472MX	4.7nF						1	16	36	55
SFLMC5000682MX	6.8nF						2	19	39	57
*SFLMC5000103MX	10nF						4	22	41	60
*SFLMC5000153MX	15nF						7	25	44	62
*SFLMC5000223MX	22nF						10	29	46	65
SFLMC5000333MX	33nF						13	33	48	68
*SFLMC2000473MX	47nF		200	500		1	16	35	50	70
SFLMC2000683MX	68nF					2	19	39	54	>70
*SFLMC1000104MX	100nF		100	250		4	22	41	57	>70
*SFLMC0500154MX	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.

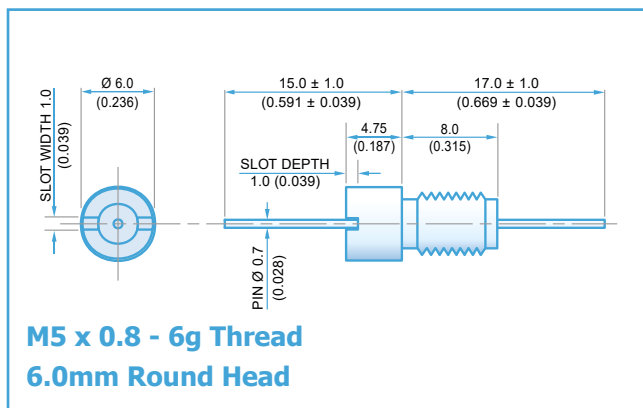
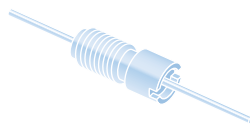
Ordering Information - SFLMC range

SF	L	M	C	500	0101	M	C	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	6.0mm O.D.	M5	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 = $\pm 20\%$ Z = -20+80%	C = COG/NP0 X = X7R	0 = Without

Note: Installation tool available on request

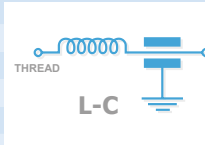
Note: The addition of a 4-digit numerical suffix code can be used to denote changes to the standard part.

Options include for example: change of 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

Head Diameter	6.0mm (0.236")
Nut A/F	N/A. For use in tapped hole
Washer Diameter	N/A
Mounting Torque	0.3Nm (2.65lbf in) max.
Mounting Hole	M5 x 0.8 - 6h
Max. Panel Thickness	N/A
Weight (Typical)	2.0g (0.07oz)
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		
*SFLML5000100ZC	10pF -20% / +80%	COG/NP0	500#	750						6		
SFLML5000150ZC	15pF -20% / +80%									9		
SFLML5000220ZC	22pF -20% / +80%									12		
SFLML5000330ZC	33pF -20% / +80%								1	15		
*SFLML5000470ZC	47pF -20% / +80%								2	19		
*SFLML5000680MC	68pF								4	20		
*SFLML5000101MC	100pF								7	24		
SFLML5000151MC	150pF								10	27		
*SFLML5000221MC	220pF								12	30		
*SFLML5000331MC	330pF											
*SFLML5000471MX	470pF	†X7R						1	16	34		
SFLML5000681MX	680pF							2	19	38		
		X7R						3	22	41		
*SFLML5000102MX	1.0nF								6	25	44	
SFLML5000152MX	1.5nF								9	29	48	
*SFLML5000222MX	2.2nF								12	31	51	
SFLML5000332MX	3.3nF								15	35	54	
*SFLML5000472MX	4.7nF							1	18	39	57	
SFLML5000682MX	6.8nF								2	21	41	60
*SFLML5000103MX	10nF								4	23	43	63
*SFLML5000153MX	15nF								7	27	46	66
*SFLML5000223MX	22nF								10	30	48	68
SFLML5000333MX	33nF						13	34	50	70		
*SFLML2000473MX	47nF			200	500		1	17	37	51	>70	
SFLML2000683MX	68nF						2	20	40	55	>70	
*SFLML1000104MX	100nF			100	250		4	22	44	60	>70	
*SFLML0500154MX	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/NP0.

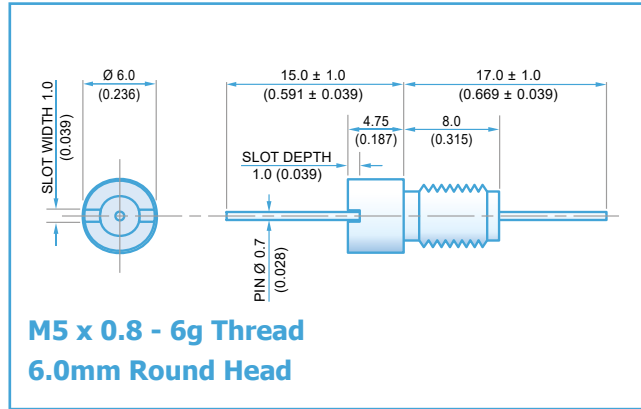
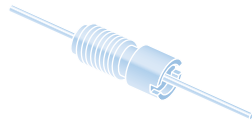
Ordering Information - SFLML range

SF	L	M	L	500	0101	M	C	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	6.0mm O.D.	M5	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 = COG/NP0 X = X7R	0 = 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 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)	10G Ω or 1000 Ω F
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	250nH



Mechanical Details

Head Diameter	6.0mm (0.236")
Nut A/F	N/A. For use in tapped hole
Washer Diameter	N/A
Mounting Torque	0.3Nm (2.65lbf in) max.
Mounting Hole	M5 x 0.8 - 6h
Max. Panel Thickness	N/A
Weight (Typical)	2.0g (0.07oz)
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	
*SFLMP5000200ZC	20pF -20% / +80%	C0G/NP0	500#	750					1	11	
SFLMP5000300ZC	30pF -20% / +80%								2	15	
SFLMP5000440ZC	44pF -20% / +80%								3	19	
SFLMP5000660ZC	66pF -20% / +80%								4	23	
*SFLMP5000940ZC	94pF -20% / +80%								6	29	
*SFLMP500136PMC	136pF								8	35	
*SFLMP5000201MC	200pF								11	41	
SFLMP5000301MC	300pF							1	15	50	
*SFLMP5000441MC	440pF							2	20	57	
*SFLMP5000661MC	660pF							3	25	65	
*SFLMP5000941MX	940pF	†X7R					5	31	68		
SFLMP5001N36MX	1.36nF	X7R					7	37	>70		
*SFLMP5000202MX	2nF							10	44	>70	
SFLMP5000302MX	3nF							13	51	>70	
*SFLMP5000442MX	4.4nF						1	17	59	>70	
SFLMP5000662MX	6.6nF						2	21	64	>70	
*SFLMP5000942MX	9.4nF						4	27	68	>70	
SFLMP5001N36MX	13.6nF						6	34	>70	>70	
*SFLMP5000203MX	20nF						9	40	>70	>70	
*SFLMP5000303MX	30nF						12	48	>70	>70	
*SFLMP5000443MX	44nF						1	14	54	>70	>70
SFLMP5000663MX	66nF						2	17	63	>70	>70
*SFLMP2000943MX	94nF						4	18	68	>70	>70
SFLMP2001N36NMX	136nF					200	500	8	25	>70	>70
*SFLMP1000204MX	200nF					100	250	10	27	>70	>70
*SFLMP0500304MX	300nF					50	125	13	30	>70	>70

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

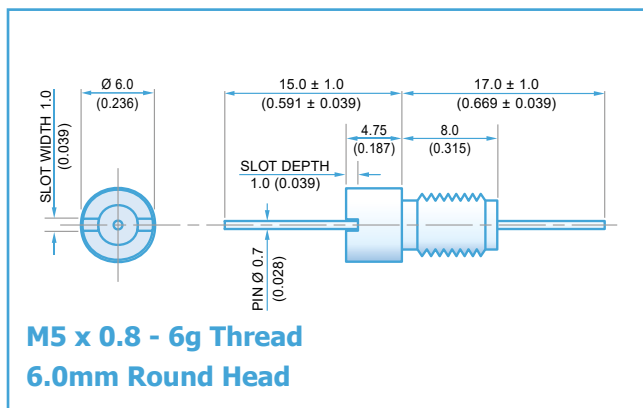
Ordering Information - SFLMP range

SF	L	M	P	050	0304	M	X	O
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	6.0mm O.D.	M5	P = Pi 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 = $\pm 20\%$ Z = $-20+80\%$	C = COG/NP0 X = X7R	0 = 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 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)	10G Ω or 1000 Ω F
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	450nH



Mechanical Details

Head Diameter	6.0mm (0.236")
Nut A/F	N/a. For use in tapped hole
Washer Diameter	N/a
Mounting Torque	0.3Nm (2.65lbf in) max.
Mounting Hole	M5 x 0.8 - 6h
Max. Panel Thickness	N/a
Weight (Typical)	2.0g (0.07oz)
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			
*SFLMT5000100ZC	10pF -20% / +80%	COG/NP0	500#	750						9			
SFLMT5000150ZC	15pF -20% / +80%									11			
SFLMT5000220ZC	22pF -20% / +80%								1	14			
SFLMT5000330ZC	33pF -20% / +80%								2	18			
*SFLMT5000470ZC	47pF -20% / +80%								4	20			
*SFLMT5000680MC	68pF								6	23			
*SFLMT5000101MC	100pF								9	27			
SFLMT5000151MC	150pF								12	30			
*SFLMT5000221MC	220pF								15	33			
*SFLMT5000331MC	330pF							1	19	36			
*SFLMT5000471MX	470pF	†X7R			500#	750				2	21	40	
SFLMT5000681MX	680pF								4	24	43		
*SFLMT5000102MX	1.0nF	X7R								7	28	47	
SFLMT5000152MX	1.5nF									10	30	50	
*SFLMT5000222MX	2.2nF									13	34	53	
SFLMT5000332MX	3.3nF									17	38	57	
*SFLMT5000472MX	4.7nF									19	40	59	
SFLMT5000682MX	6.8nF								1	23	43	63	
*SFLMT5000103MX	10nF								4	26	45	66	
*SFLMT5000153MX	15nF								7	29	47	68	
*SFLMT5000223MX	22nF								10	33	49	70	
SFLMT5000333MX	33nF								14	36	50	>70	
*SFLMT2000473MX	47nF	200	500				1	17	39	52	>70		
*SFLMT2000683MX	68nF						2	20	42	57	>70		
*SFLMT1000104MX	100nF			100			250		4	22	46	62	>70
*SFLMT0500154MX	150nF								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/NP0.

Ordering Information - SFLMT range

SF	L	M	T	500	0101	M	C	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	6.0mm O.D.	M5	T = T 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 = $\pm 20\%$ Z = -20+80%	C = COG/NP0 X = X7R	0 = 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 finish / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.

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Knowles:

<u>SFLMP2000203MX0</u>	<u>SFLMP1000443MX0</u>	<u>SFLMT0500473MX0</u>	<u>SFLMT2000153MX0</u>	<u>SFLMP0500304MX1</u>
<u>SFLMP1000204MX1</u>	<u>SFLMP5000442WX0</u>	<u>SFLMP5000662MX1</u>	<u>SFLMP5000663MX1</u>	<u>SFLMT5000682MX0</u>
<u>SFLMP5000942MX0</u>	<u>SFLMP0500943MX0</u>	<u>SFLMT0500333MX0</u>	<u>SFLMC0500333MX0</u>	<u>SFLMC0500473MX0</u>
<u>SFLMC1000223MX0</u>	<u>SFLMC2000103MX0</u>	<u>SFLMC2000153MX0</u>	<u>SFLMC5000100ZC0</u>	<u>SFLMT5000332MX0</u>
<u>SFLMT5000470ZC0</u>	<u>SFLMT5000471MX0</u>	<u>SFLMT5000472MX0</u>	<u>SFLMT5000680MC0</u>	<u>SFLMT5000681MX0</u>
<u>SFLMT5000152MX0</u>	<u>SFLMT5000220ZC0</u>	<u>SFLMT5000221MC0</u>	<u>SFLMT5000222MX0</u>	<u>SFLMT5000330ZC0</u>
<u>SFLMT5000331MC0</u>	<u>SFLMT2000103MX0</u>	<u>SFLMT5000100ZC0</u>	<u>SFLMT5000101MC0</u>	<u>SFLMT5000102MX0</u>
<u>SFLMT5000150ZC0</u>	<u>SFLMT5000151MC0</u>	<u>SFLMP5000940ZC0</u>	<u>SFLMP5000941MX0</u>	<u>SFLMP500136PMC0</u>
<u>SFLMP50013N6MX0</u>	<u>SFLMP5001N36MX0</u>	<u>SFLMT1000223MX0</u>	<u>SFLMP5000440ZC0</u>	<u>SFLMP5000441MC0</u>
<u>SFLMP5000442MX0</u>	<u>SFLMP5000660ZC0</u>	<u>SFLMP5000661MC0</u>	<u>SFLMP5000662MX0</u>	<u>SFLMP5000200ZC0</u>
<u>SFLMP5000201MC0</u>	<u>SFLMP5000202MX0</u>	<u>SFLMP5000300ZC0</u>	<u>SFLMP5000301MC0</u>	<u>SFLMP5000302MX0</u>
<u>SFLML5000472MX0</u>	<u>SFLML5000680MC0</u>	<u>SFLML5000681MX0</u>	<u>SFLML5000682MX0</u>	<u>SFLMP0500663MX0</u>
<u>SFLMP2000303MX0</u>	<u>SFLML5000222MX0</u>	<u>SFLML5000330ZC0</u>	<u>SFLML5000331MC0</u>	<u>SFLML5000332MX0</u>
<u>SFLML5000470ZC0</u>	<u>SFLML5000471MX0</u>	<u>SFLML5000102MX0</u>	<u>SFLML5000150ZC0</u>	<u>SFLML5000151MC0</u>
<u>SFLML5000152MX0</u>	<u>SFLML5000220ZC0</u>	<u>SFLML5000221MC0</u>	<u>SFLML0500473MX0</u>	<u>SFLML1000223MX0</u>
<u>SFLML2000103MX0</u>	<u>SFLML2000153MX0</u>	<u>SFLML5000100ZC0</u>	<u>SFLML5000101MC0</u>	<u>SFLMC5000471MX0</u>
<u>SFLMC5000472MX0</u>	<u>SFLMC5000680MC0</u>	<u>SFLMC5000681MX0</u>	<u>SFLMC5000682MX0</u>	<u>SFLML0500333MX0</u>
<u>SFLMC5000221MC0</u>	<u>SFLMC5000222MX0</u>	<u>SFLMC5000330ZC0</u>	<u>SFLMC5000331MC0</u>	<u>SFLMC5000332MX0</u>
<u>SFLMC5000470ZC0</u>	<u>SFLMC5000101MC0</u>	<u>SFLMC5000102MX0</u>	<u>SFLMC5000150ZC0</u>	<u>SFLMC5000151MC0</u>
<u>SFLMC5000152MX0</u>	<u>SFLMC5000220ZC0</u>			