



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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!



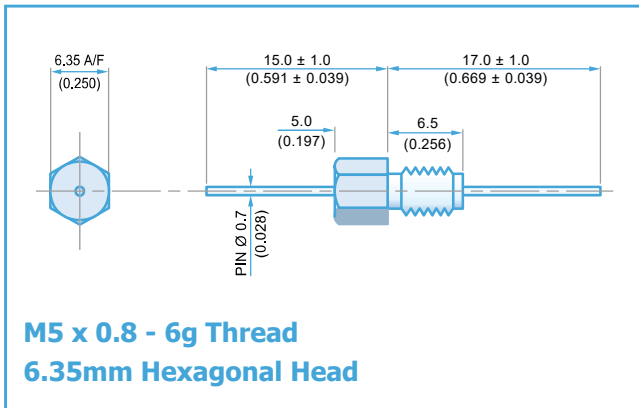
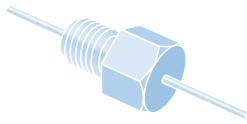
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Electrical Details	
Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	Not Applicable
Mechanical Details	
Head Diameter	6.35mm (0.250")
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	3.4mm (0.134")
Weight (Typical)	1.8g (0.06oz)
Finish	Silver plate on copper undercoat

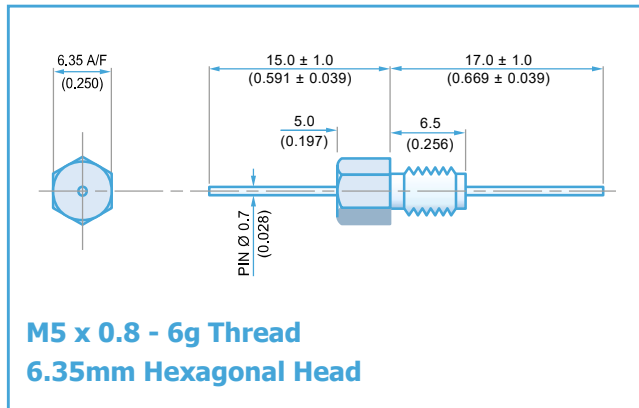
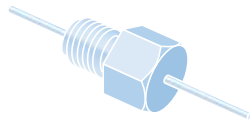
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)										
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz					
*SFCMC5000100ZC	10pF -20% / +80%	COG/NPO	500#	750						4					
SFCMC5000150ZC	15pF -20% / +80%										7				
SFCMC5000220ZC	22pF -20% / +80%										10				
SFCMC5000330ZC	33pF -20% / +80%										12				
*SFCMC5000470ZC	47pF -20% / +80%										1	15			
*SFCMC5000680MC	68pF										2	18			
*SFCMC5000101MC	100pF										4	22			
SFCMC5000151MC	150pF										7	25			
*SFCMC5000221MC	220pF										10	29			
*SFCMC5000331MC	330pF										13	33			
*SFCMC5000471MX	470pF	†X7R					1	16	35						
SFCMC5000681MX	680pF						2	19	36						
*SFCMC5000102MX	1.0nF	X7R	500#	750				4	23	41					
SFCMC5000152MX	1.5nF								7	26	45				
*SFCMC5000222MX	2.2nF									10	30	50			
SFCMC5000332MX	3.3nF									13	33	52			
*SFCMC5000472MX	4.7nF									1	16	36	55		
SFCMC5000682MX	6.8nF									2	19	39	57		
*SFCMC5000103MX	10nF									4	22	41	60		
*SFCMC5000153MX	15nF									7	25	44	62		
*SFCMC5000223MX	22nF									10	29	46	65		
SFCMC5000333MX	33nF									13	33	48	68		
*SFCMC5000473MX	47nF									1	16	35	50	70	
SFCMC5000683MX	68nF									2	19	39	54	>70	
SFCMC5000104MX	100nF									4	22	41	57	>70	
SFCMC5000154MX	150nF									7	25	45	60	>70	
*SFCMC2000224MX	220nF					200	500			10	29	49	62	>70	
SFCMC1000334MX	330nF					100	250				13	33	52	66	>70
*SFCMC1000474MX	470nF									1	16	35	55	68	>70
SFCMC0500684MX	680nF							50	125	2	19	38	58	70	>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 - SFCMC range

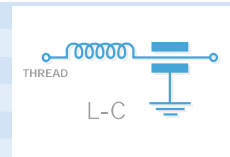
SF	C	M	C	500	0101	M	C	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	6.35mm A/F	M5	C = C Filter	050 = 50V 100 = 100V 200 = 200V 500 = 500V	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: 0101 = 100pF 0332 = 3300pF	M = ±20% Z = -20+80%	C = COG/NPO 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.



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	6.35mm (0.250")
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	3.4mm (0.134")
Weight (Typical)	1.8g (0.06oz)
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	
*SFCML5000100ZC	10pF -20% / +80%	COG/NP0	500#	750	-	-	-	-	-	6	
SFCML5000150ZC	15pF -20% / +80%				-	-	-	-	-	9	
SFCML5000220ZC	22pF -20% / +80%				-	-	-	-	-	12	
SFCML5000330ZC	33pF -20% / +80%				-	-	-	-	1	15	
*SFCML5000470ZC	47pF -20% / +80%				-	-	-	-	2	19	
*SFCML5000680MC	68pF				-	-	-	-	4	20	
*SFCML5000101MC	100pF				-	-	-	-	7	24	
SFCML5000151MC	150pF				-	-	-	-	10	27	
*SFCML5000221MC	220pF				-	-	-	-	12	30	
*SFCML5000331MC	330pF				-	-	-	1	16	34	
*SFCML5000471MX	470pF	†X7R			-	-	-	2	19	38	
SFCML5000681MX	680pF				-	-	-	3	22	41	
*SFCML5000102MX	1.0nF	X7R			-	-	-	6	25	44	
SFCML5000152MX	1.5nF				-	-	-	9	29	48	
*SFCML5000222MX	2.2nF				-	-	-	12	31	51	
SFCML5000332MX	3.3nF				-	-	-	15	35	54	
*SFCML5000472MX	4.7nF				-	-	1	18	39	57	
SFCML5000682MX	6.8nF				-	-	2	21	41	60	
*SFCML5000103MX	10nF				-	-	4	23	43	63	
*SFCML5000153MX	15nF				-	-	7	27	46	66	
*SFCML5000223MX	22nF		-	-	10	30	48	68			
SFCML5000333MX	33nF		-	-	13	34	50	70			
*SFCML5000473MX	47nF		-	-	17	37	51	>70			
SFCML5000683MX	68nF		-	-	20	40	55	>70			
*SFCML5000104MX	100nF		-	-	22	44	60	>70			
SFCML5000154MX	150nF		-	-	25	47	62	>70			
*SFCML2000224MX	220nF		-	200	500	-	10	29	49	66	>70
SFCML1000334MX	330nF		-	100	250	-	13	33	53	68	>70
*SFCML1000474MX	470nF		1			16	35	56	>70	>70	
SFCML0500684MX	680nF		2			19	38	58	>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 - SFCML range

SF	C	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	6.35mm A/F	M5	L = L-C Filter	050 = 50Vdc 100 = 100Vdc 200 = 200Vdc 500 = 500Vdc	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 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.