



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!



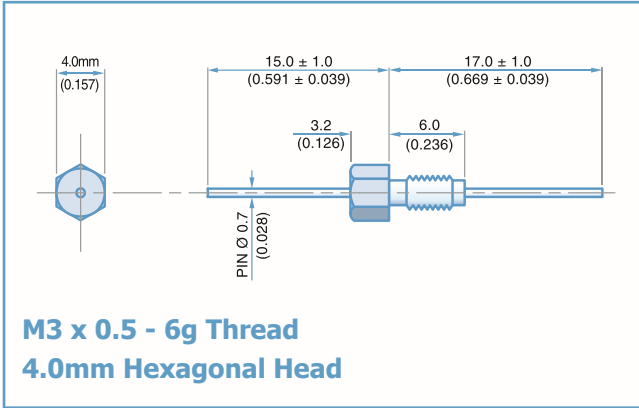
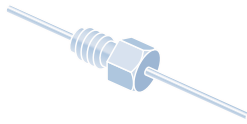
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Electrical Details	
Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	Not Applicable
Mechanical Details	
Head (A/F)	4.0mm (0.157")
Nut A/F	4.0mm (0.187")
Washer diameter	6.9mm (0.272")
Mounting Torque	0.25Nm (2.21lbf in) max. if using nut 0.15Nm (1.32lbf in) max. into tapped hole
Mounting Hole Diameter	3.15mm ±0.1 (0.124" ±0.004")
Max. Panel Thickness	3.2mm (0.126")
Weight (Typical)	0.5g (0.017oz)
Finish	Silver plate on copper undercoat

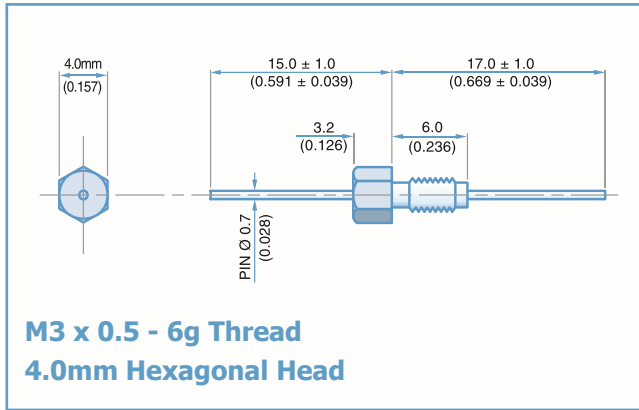
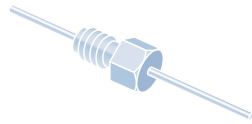
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)								
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz			
*SFAJ5000100ZC	10pF -20% / +80%	COG/NPO	500#	750	-	-	-	-	-	4			
SFAJ5000150ZC	15pF -20% / +80%				-	-	-	-	-	7			
SFAJ5000220ZC	22pF -20% / +80%				-	-	-	-	-	10			
SFAJ5000330ZC	33pF -20% / +80%				-	-	-	-	-	12			
*SFAJ5000470ZC	47pF -20% / +80%				-	-	-	-	1	15			
*SFAJ5000680MC	68pF				-	-	-	-	2	18			
*SFAJ5000101MC	100pF				-	-	-	-	4	22			
SFAJ5000151MC	150pF				-	-	-	-	7	25			
*SFAJ5000221MC	220pF				-	-	-	-	10	29			
*SFAJ5000331MC	330pF				-	-	-	-	13	33			
*SFAJ5000471MX	470pF				†X7R	500#	750	-	-	-	1	16	35
SFAJ5000681MX	680pF							-	-	-	2	19	36
*SFAJ5000102MX	1.0nF	X7R	200	500	-	-	-	4	23	41			
SFAJ5000152MX	1.5nF				-	-	-	7	26	45			
*SFAJ5000222MX	2.2nF				-	-	-	10	30	50			
SFAJ5000332MX	3.3nF				-	-	-	13	33	52			
*SFAJ5000472MX	4.7nF				-	-	1	16	36	55			
*SFAJ5000682MX	6.8nF				-	-	2	19	39	57			
*SFAJ5000103MX	10nF				-	-	4	22	41	60			
*SFAJ5000153MX	15nF				-	-	7	25	44	62			
*SFAJ5000223MX	22nF				-	-	10	29	46	65			
SFAJ5000333MX	33nF				-	-	13	33	48	68			
*SFAJ2000473MX	47nF				-	1	16	35	50	70			
SFAJ2000683MX	68nF				-	2	19	39	54	>70			
*SFAJ1000104MX	100nF	-	4	22	41	57	>70						
*SFAJ0500154MX	150nF	-	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/NPO.

Ordering Information - SFAJC range

SF	A	J	C	050	0154	M	X	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Hardware
Syfer Filter	4.0mm Hex Head	M3	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)	50nH



**Mechanical Details**

Head (A/F)	4.0mm (0.157")
Nut A/F	4.0mm (0.157")
Washer diameter	6.9mm (0.272")
Mounting Torque	0.25Nm (2.21bf in) max. if using nut 0.15Nm (1.32bf in) max. into tapped hole
Mounting Hole Diameter	3.15mm ±0.1 (0.124" ±0.004")
Max. Panel Thickness	3.2mm (0.126")
Weight (Typical)	0.5g (0.017oz)
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			
*SFAJL5000100ZC	10pF -20% / +80%	COG/NP0	500#	750	-	-	-	-	-	6			
SFAJL5000150ZC	15pF -20% / +80%				-	-	-	-	-	9			
SFAJL5000220ZC	22pF -20% / +80%				-	-	-	-	-	12			
SFAJL5000330ZC	33pF -20% / +80%				-	-	-	-	1	15			
*SFAJL5000470ZC	47pF -20% / +80%				-	-	-	-	2	19			
*SFAJL5000680MC	68pF				-	-	-	-	4	20			
*SFAJL5000101MC	100pF				-	-	-	-	7	24			
SFAJL5000151MC	150pF				-	-	-	-	10	27			
*SFAJL5000221MC	220pF				-	-	-	-	12	30			
*SFAJL5000331MC	330pF				-	-	-	1	16	34			
*SFAJL5000471MX	470pF				†X7R	-	-	-	2	19	38		
SFAJL5000681MX	680pF					-	-	-	3	22	41		
*SFAJL5000102MX	1.0nF	X7R			-	-	-	6	25	44			
SFAJL5000152MX	1.5nF				-	-	-	9	29	48			
*SFAJL5000222MX	2.2nF				-	-	-	12	31	51			
SFAJL5000332MX	3.3nF				-	-	-	15	35	54			
*SFAJL5000472MX	4.7nF				-	-	1	18	39	57			
SFAJL5000682MX	6.8nF				-	-	2	21	41	60			
*SFAJL5000103MX	10nF				-	-	4	23	43	63			
*SFAJL5000153MX	15nF				-	-	7	27	46	66			
*SFAJL5000223MX	22nF				-	-	10	30	48	68			
SFAJL5000333MX	33nF				-	-	13	34	50	70			
*SFAJL2000473MX	47nF				-	200	500	-	1	17	37	51	>70
SFAJL2000683MX	68nF				-	-	-	-	2	20	40	55	>70
*SFAJL1000104MX	100nF	-	100	250	-	4	22	44	60	>70			
*SFAJL0500154MX	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 - SFAJL range**

SF	A	J	L	200	0683	M	X	1
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Hardware
Syfer Filter	4.0mm Hex Head	M3	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/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.