



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!



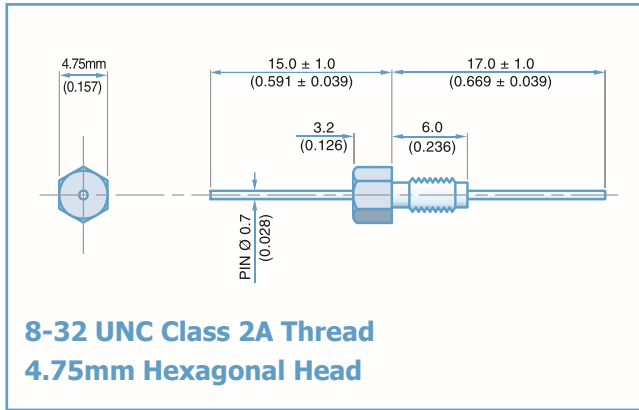
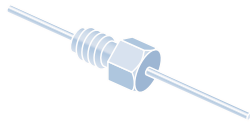
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Electrical Details

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)	4.75mm (0.187")
Nut A/F	6.35mm (0.250")
Washer diameter	8mm (0.315")
Mounting Torque	0.5Nm (4.42lbf in) max. if using nut 0.25Nm (2.21lbf in) max. into tapped hole
Mounting Hole Diameter	4.4mm ±0.1 (0.173" ±0.004")
Max. Panel Thickness	2.9mm (0.114")
Weight (Typical)	1.2g (0.04oz)
Finish	Silver plate on copper undercoat

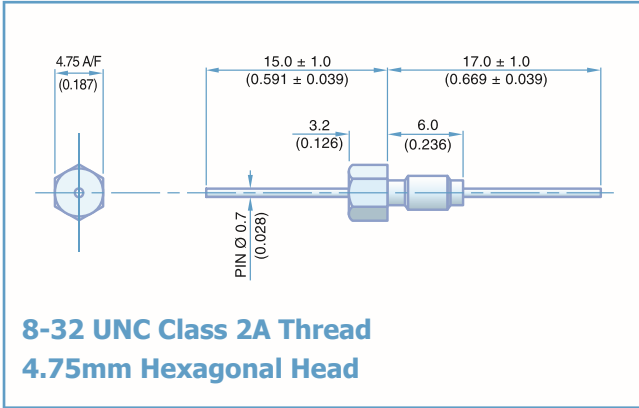
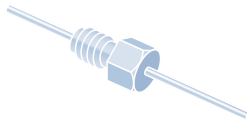
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFBC5000100ZC	10pF -20% / +80%	COG/NP0	500#	750	-	-	-	-	-	4
SFBC5000150ZC	15pF -20% / +80%				-	-	-	-	-	7
SFBC5000220ZC	22pF -20% / +80%				-	-	-	-	-	10
SFBC5000330ZC	33pF -20% / +80%				-	-	-	-	-	12
*SFBC5000470ZC	47pF -20% / +80%				-	-	-	-	1	15
*SFBC5000680MC	68pF				-	-	-	-	2	18
*SFBC5000101MC	100pF				-	-	-	-	4	22
SFBC5000151MC	150pF				-	-	-	-	7	25
*SFBC5000221MC	220pF				-	-	-	-	10	29
*SFBC5000331MC	330pF				-	-	-	-	13	33
*SFBC5000471MX	470pF	†X7R	500#	750	-	-	-	1	16	35
SFBC5000681MX	680pF				-	-	-	2	19	36
*SFBC5000102MX	1.0nF	X7R	200	500	-	-	-	4	23	41
SFBC5000152MX	1.5nF				-	-	-	7	26	45
*SFBC5000222MX	2.2nF				-	-	-	10	30	50
SFBC5000332MX	3.3nF				-	-	-	13	33	52
*SFBC5000472MX	4.7nF				-	-	1	16	36	55
SFBC5000682MX	6.8nF				-	-	2	19	39	57
*SFBC5000103MX	10nF				-	-	4	22	41	60
*SFBC5000153MX	15nF				-	-	7	25	44	62
*SFBC5000223MX	22nF				-	-	10	29	46	65
SFBC5000333MX	33nF				-	-	13	33	48	68
*SFBC2000473MX	47nF		100	250	-	1	16	35	50	70
SFBC2000683MX	68nF		50	125	-	2	19	39	54	>70
*SFBC1000104MX	100nF				-	4	22	41	57	>70
*SFBC0500154MX	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/NP0.

Ordering Information - SFBCC range

SF	B	C	C	500	0102	M	X	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Hardware
Syfer Filter	4.75mm Hex Head	8-32 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 = 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.



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)	4.75mm (0.187")
Nut A/F	6.35mm (0.250")
Washer diameter	8mm (0.315")
Mounting Torque	0.5Nm (4.42lbf in) max. if using nut 0.25Nm (2.21lbf in) max. into tapped hole
Mounting Hole Diameter	4.4mm ±0.1 (0.173" ±0.004")
Max. Panel Thickness	2.9mm (0.114")
Weight (Typical)	1.2g (0.04oz)
Finish	Silver plate on copper undercoat

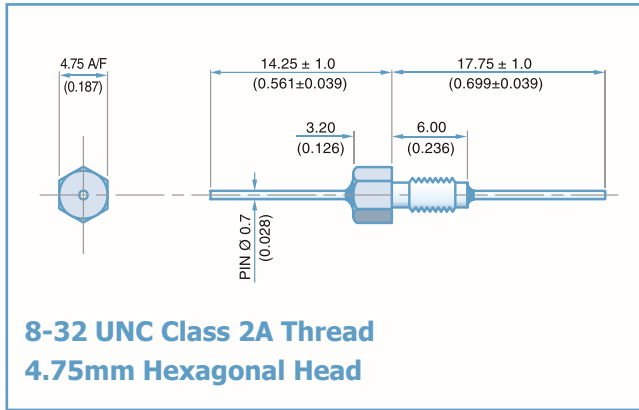
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)								
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz			
*SFBCL5000100ZC	10pF -20% / +80%	COG/NPO	500#	750	-	-	-	-	-	6			
SFBCL5000150ZC	15pF -20% / +80%				-	-	-	-	-	9			
SFBCL5000220ZC	22pF -20% / +80%				-	-	-	-	-	12			
SFBCL5000330ZC	33pF -20% / +80%				-	-	-	-	1	15			
*SFBCL5000470ZC	47pF -20% / +80%				-	-	-	-	2	19			
*SFBCL5000680MC	68pF				-	-	-	-	4	20			
*SFBCL5000101MC	100pF				-	-	-	-	7	24			
SFBCL5000151MC	150pF				-	-	-	-	10	27			
*SFBCL5000221MC	220pF				-	-	-	-	12	30			
*SFBCL5000331MC	330pF				-	-	-	1	16	34			
*SFBCL5000471MX	470pF				X7R	200	500	-	-	-	2	19	38
SFBCL5000681MX	680pF							-	-	-	3	22	41
*SFBCL5000102MX	1.0nF							-	-	-	6	25	44
SFBCL5000152MX	1.5nF							-	-	-	9	29	48
*SFBCL5000222MX	2.2nF	-	-	-				12	31	51			
SFBCL5000332MX	3.3nF	-	-	-				15	35	54			
*SFBCL5000472MX	4.7nF	-	-	1				18	39	57			
SFBCL5000682MX	6.8nF	-	-	2				21	41	60			
*SFBCL5000103MX	10nF	-	-	4				23	43	63			
*SFBCL5000153MX	15nF	-	-	7				27	46	66			
*SFBCL5000223MX	22nF	-	-	10				30	48	68			
SFBCL5000333MX	33nF	-	-	13				34	50	70			
*SFBCL2000473MX	47nF	-	1	17				37	51	>70			
SFBCL2000683MX	68nF	-	2	20				40	55	>70			
*SFBCL1000104MX	100nF	-	4	22	44	60	>70						
*SFBCL0500154MX	150nF	-	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 - SFBCL range

SF	B	C	L	500	0102	M	X	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Hardware
Syfer Filter	4.75mm Hex Head	8-32 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 = 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	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)	75nH



Mechanical Details

Head (A/F)	4.75mm (0.187")
Nut A/F	6.35mm (0.250")
Washer diameter	9.40mm (0.370")
Mounting Torque	0.5Nm (4.42lbf in) max. if using nut 0.25Nm (2.21lbf in) max. into tapped hole
Mounting Hole Diameter	4.4mm ± 0.1 (0.173" ± 0.004")
Max. Panel Thickness	2.9mm (0.114")
Weight (Typical)	1.2g (0.04oz)
Finish	Silver plate on copper undercoat

Product Code	Capacitance -20/+80%	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFBCP5000200ZC	20pF	COG/NP0	500#	750	-	-	-	-	1	11
SFBCP5000440ZC	44pF				-	-	-	-	3	19
SFBCP5000940ZC	94pF				-	-	-	-	6	25
*SFBCP5000201ZC	200pF				-	-	-	-	11	33
SFBCP5000441ZC	440pF				-	-	2	18	45	
SFBCP5000941ZX	940pF	X7R			-	-	-	5	25	60
*SFBCP5000202ZX	2nF				-	-	-	10	40	70
SFBCP5000442ZX	4.4nF				-	-	1	17	47	>70
*SFBCP5000942ZX	9.4nF				-	-	4	24	60	>70
*SFBCP2000203ZX	20nF				200	500	-	-	9	28
*SFBCP1000443ZX	44nF	100	250	-	0	14	42	>70	>70	
*SFBCP0500943ZX	94nF	50	125	-	2	18	57	>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 - SFBCP range

SF	B	C	P	050	0943	Z	X	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Hardware
Syfer Filter	4.75mm Hex Head	8-32 UNC	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: 0201 = 200pF 0943 = 94000pF	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.