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!

Contact us

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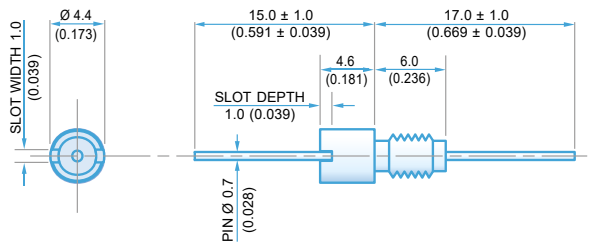
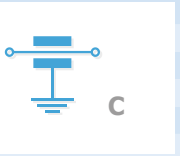


6-32 UNC Class 2A Thread
4.4mm Round Head

Electrical Details

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



Mechanical Details

Head Diameter	4.4mm *(0.173")*
Nut A/F	N/a. For use in tapped hole
Washer Diameter	N/a
Mounting Torque	0.15Nm *(1.32lbf in)* max.
Mounting Hole	6-32 UNC Class 2B
Max. Panel Thickness	N/a
Weight (Typical)	0.8g *(0.03oz)*
Finish	Silver plate on copper undercoat

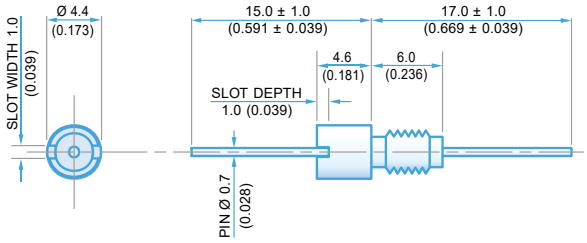
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFKBC5000100ZC	10pF -20% / +80%	C0G/NP0	500#	750						4
SFKBC5000150ZC	15pF -20% / +80%		500#							7
SFKBC5000220ZC	22pF -20% / +80%		500#							10
SFKBC5000330ZC	33pF -20% / +80%		500#							12
*SFKBC5000470ZC	47pF -20% / +80%		500#						1	15
*SFKBC5000680MC	68pF		500#						2	18
*SFKBC5000101MC	100pF		500#						4	22
SFKBC5000151MC	150pF		500#						7	25
*SFKBC5000221MC	220pF		500#						10	29
*SFKBC5000331MC	330pF		500#						13	33
*SFKBC5000471MX	470pF	†X7R	500#					1	16	35
SFKBC5000681MX	680pF		500#					2	19	36
*SFKBC5000102MX	1.0nF	X7R	500#					4	23	41
SFKBC5000152MX	1.5nF		500#					7	26	45
*SFKBC5000222MX	2.2nF		500#					10	30	50
SFKBC5000332MX	3.3nF		500#					13	33	52
*SFKBC5000472MX	4.7nF		500#				1	16	36	55
SFKBC5000682MX	6.8nF		500#				2	19	39	57
*SFKBC5000103MX	10nF		500#				4	22	41	60
*SFKBC5000153MX	15nF		500#				7	25	44	62
*SFKBC5000223MX	22nF		500#				10	29	46	65
SFKBC5000333MX	33nF		500#				13	33	48	68
*SFKBC2000473MX	47nF		200	500		1	16	35	50	70
SFKBC2000683MX	68.0nF		200			2	19	39	54	>70
*SFKBC1000104MX	100nF		100	250		4	22	41	57	>70
*SFKBC0500154MX	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 C0G/NP0.

Ordering Information - SFKBC range

SF	K	B	C	500	0101	M	C	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	4.4mm O.D.	6-32 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** = C0G/NP0 **X** = X7R	**0** = Without

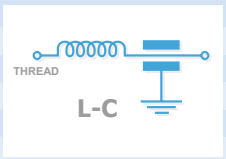
Note: Installation tool available on request
Note: The addition of a 4-digit numerical suffix code can be used to denote changes to the standard part.
Options include for example: change of finish / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please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



6-32 UNC Class 2A Thread
4.4mm Round Head

Electrical Details

Electrical Configuration	L-C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55ºC to +125ºC
Ferrite Inductance (Typical)	50nH



Mechanical Details

Head Diameter	4.4mm *(0.173")*
Nut A/F	N/a. For use in tapped hole
Washer Diameter	N/a
Mounting Torque	0.15Nm *(1.32lbf in)* max.
Mounting Hole	6-32 UNC Class 2B
Max. Panel Thickness	N/a
Weight (Typical)	0.8g *(0.03oz)*
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
* SFKBL5000100ZC	10pF -20% / +80%	C0G/NP0	500#	750						6
SFKBL5000150ZC	15pF -20% / +80%		500#							9
SFKBL5000220ZC	22pF -20% / +80%		500#							12
SFKBL5000330ZC	33pF -20% / +80%		500#						1	15
* SFKBL5000470ZC	47pF -20% / +80%		500#						2	19
* SFKBL5000680MC	68pF		500#						4	20
* SFKBL5000101MC	100pF		500#						7	24
SFKBL5000151MC	150pF		500#						10	27
* SFKBL5000221MC	220pF		500#						12	30
* SFKBL5000331MC	330pF		500#					1	16	34
* SFKBL5000471MX	470pF	†X7R	500#					2	19	38
SFKBL5000681MX	680pF		500#					3	22	41
* SFKBL5000102MX	1.0nF	X7R	500#					6	25	44
SFKBL5000152MX	1.5nF		500#					9	29	48
* SFKBL5000222MX	2.2nF		500#					12	31	51
SFKBL5000332MX	3.3nF		500#					15	35	54
* SFKBL5000472MX	4.7nF		500#				1	18	39	57
SFKBL5000682MX	6.8nF		500#				2	21	41	60
* SFKBL5000103MX	10nF		500#				4	23	43	63
* SFKBL5000153MX	15nF		500#				7	27	46	66
* SFKBL5000223MX	22nF		500#				10	30	48	68
SFKBL5000333MX	33nF		500#				13	34	50	70
* SFKBL2000473MX	47nF		200	500		1	17	37	51	>70
SFKBL2000683MX	68nF		200			2	20	40	55	>70
*SFKBL1000104MX	100nF		100	250		4	22	44	60	>70
*SFKBL0500154MX	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 C0G/NP0.

Ordering Information - SFKBL range

SF	K	B	L	500	0101	M	C	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	4.4mm O.D.	6-32 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** = C0G/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.