



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!



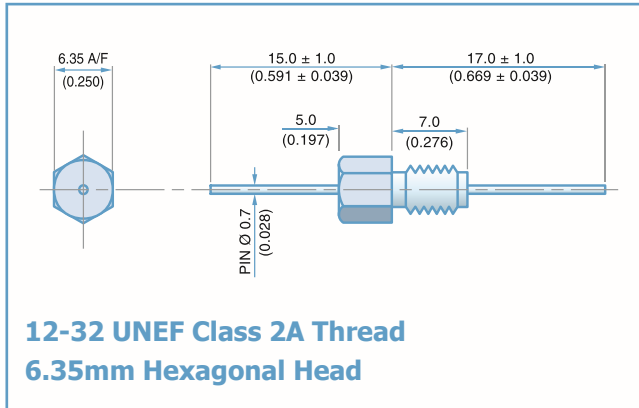
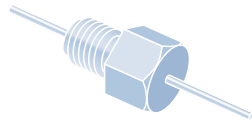
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Electrical Details

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	7.92mm (0.312")
Washer Diameter	9.40mm (0.370")
Mounting Torque	0.6Nm (5.31lbf in) max. if using nut 0.3Nm (2.65lbf in) max. into tapped hole
Mounting Hole Diameter	5.7mm ± 0.1 (0.224" ± 0.004")
Max. Panel Thickness	3.9mm (0.154")
Weight (Typical)	1.8g (0.06oz)
Finish	Silver plate on copper undercoat

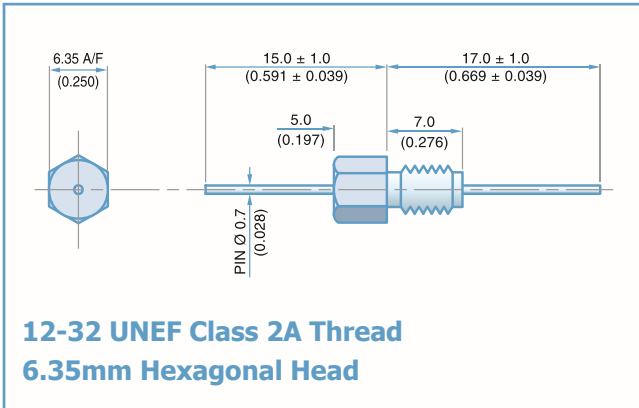
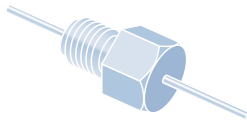
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)									
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz				
*SFCDC5000100ZC	10pF -20% / +80%	COG/NP0	500#	750	-	-	-	-	-	4				
SFCDC5000150ZC	15pF -20% / +80%				-	-	-	-	-	7				
SFCDC5000220ZC	22pF -20% / +80%				-	-	-	-	-	10				
SFCDC5000330ZC	33pF -20% / +80%				-	-	-	-	-	12				
*SFCDC5000470ZC	47pF -20% / +80%				-	-	-	-	1	15				
*SFCDC5000680MC	68pF				-	-	-	-	2	18				
*SFCDC5000101MC	100pF				-	-	-	-	4	22				
SFCDC5000151MC	150pF				-	-	-	-	7	25				
*SFCDC5000221MC	220pF				-	-	-	-	10	29				
*SFCDC5000331MC	330pF				-	-	-	-	19	33				
*SFCDC5000471MX	470pF	†X7R			500#	750	-	-	-	1	16	35		
SFCDC5000681MX	680pF						-	-	-	2	19	36		
*SFCDC5000102MX	1.0nF	X7R					500#	750	-	-	-	4	23	41
SFCDC5000152MX	1.5nF								-	-	-	7	26	45
*SFCDC5000222MX	2.2nF								-	-	-	10	30	50
SFCDC5000332MX	3.3nF								-	-	-	13	33	52
*SFCDC5000472MX	4.7nF								-	-	1	16	36	55
SFCDC5000682MX	6.8nF								-	-	-	19	39	57
*SFCDC5000103MX	10nF								-	-	4	22	41	60
*SFCDC5000153MX	15nF								-	-	7	25	44	62
*SFCDC5000223MX	22nF		-	-					10	29	46	65		
SFCDC5000333MX	33nF		-	-					13	33	48	68		
*SFCDC5000473MX	47nF	-	-	1					16	35	50	70		
SFCDC5000683MX	68nF	-	-	2					19	39	54	>70		
SFCDC5000104MX	100nF	-	-	4					22	41	57	>70		
SFCDC5000154MX	150nF	-	-	7					25	45	60	>70		
*SFCDC2000224MX	220nF	-	200	500					-	10	29	49	62	>70
SFCDC1000334MX	330nF	-	100	250					-	13	33	52	66	>70
*SFCDC1000474MX	470nF	-							1	16	35	55	68	>70
SFCDC0500684MX	680nF	-							50	125	2	19	38	58

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

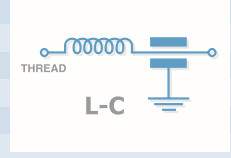
Ordering Information - SFCDC range

SF	C	D	C	500	0102	M	X	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	6.35mm Hex Head	12-32 UNEF	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)	500nH
Mechanical Details	
Head Diameter	6.35mm (0.250")
Nut A/F	7.92mm (0.312")
Washer Diameter	9.40mm (0.370")
Mounting Torque	0.6Nm (5.31lbf in) max. if using nut 0.3Nm (2.65lbf in) max. into tapped hole
Mounting Hole Diameter	5.7mm ± 0.1 (0.224" ± 0.004")
Max. Panel Thickness	3.9mm (0.154")
Weight (Typical)	1.8g (0.06oz)
Finish	Silver plate on copper undercoat



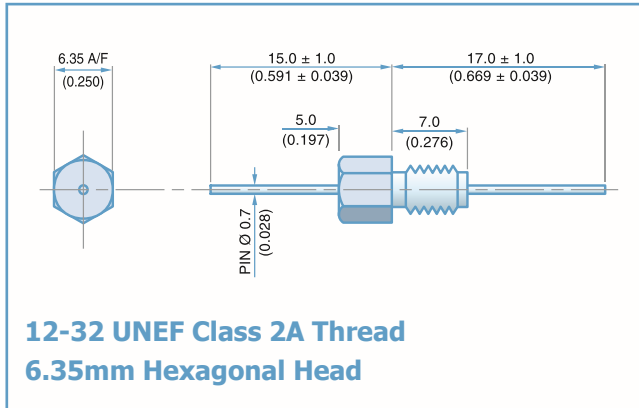
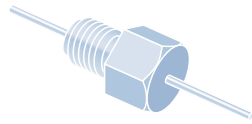
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFCDL5000100ZC	10pF -20% / +80%	COG/NPO	500#	750	-	-	-	-	-	6
SFCDL5000150ZC	15pF -20% / +80%				-	-	-	-	-	9
SFCDL5000220ZC	22pF -20% / +80%				-	-	-	-	-	12
SFCDL5000330ZC	33pF -20% / +80%				-	-	-	-	1	15
*SFCDL5000470ZC	47pF -20% / +80%				-	-	-	-	2	19
*SFCDL5000680MC	68pF				-	-	-	-	4	20
*SFCDL5000101MC	100pF				-	-	-	-	7	24
SFCDL5000151MC	150pF				-	-	-	-	10	27
*SFCDL5000221MC	220pF				-	-	-	-	12	30
*SFCDL5000331MC	330pF				-	-	-	1	16	34
*SFCDL5000471MX	470pF	†X7R	500#	750	-	-	-	2	19	38
SFCDL5000681MX	680pF				-	-	-	3	22	41
*SFCDL5000102MX	1.0nF	X7R	500#	750	-	-	-	6	25	44
SFCDL5000152MX	1.5nF				-	-	-	9	29	48
*SFCDL5000222MX	2.2nF				-	-	-	12	31	51
SFCDL5000332MX	3.3nF				-	-	-	15	35	54
*SFCDL5000472MX	4.7nF				-	-	1	18	39	57
SFCDL5000682MX	6.8nF				-	-	2	21	41	60
*SFCDL5000103MX	10nF				-	-	4	23	43	63
*SFCDL5000153MX	15nF				-	-	7	27	46	66
*SFCDL5000223MX	22nF				-	-	10	30	48	68
SFCDL5000333MX	33nF				-	-	13	34	50	70
*SFCDL5000473MX	47nF				-	1	17	37	51	>70
SFCDL5000683MX	68nF				-	2	20	40	55	>70
SFCDL5000104MX	100nF				-	4	22	44	60	>70
SFCDL5000154MX	150nF				-	7	25	47	62	>70
*SFCDL2000224MX	220nF				-	10	29	49	66	>70
SFCDL1000334MX	330nF				-	13	33	52	68	>70
*SFCDL1000474MX	470nF				-	16	35	55	>70	>70
SFCDL0500684MX	680nF				-	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 - SFCDL range

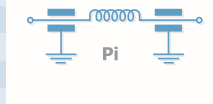
SF	C	D	L	500	0101	M	C	0
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	6.35mm Hex Head	12-32 UNEF	L = L-C Filter	050 = 50V 100 = 100V 200 = 200V 500 = 500V	First digit is 0. Second and third digits are significant 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)	250nH



Mechanical Details

Head Diameter	6.35mm (0.250")
Nut A/F	7.92mm (0.312")
Washer Diameter	9.40mm (0.370")
Mounting Torque	0.6Nm (5.31lbf in) max. if using nut 0.3Nm (2.65lbf in) max. into tapped hole
Mounting Hole Diameter	5.7mm ± 0.1 (0.224" ± 0.004")
Max. Panel Thickness	3.9mm (0.154")
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
*SFCDP5000200ZC	20pF -20% / +80%	COG/NP0	500#	750					1	11
SFCDP5000300ZC	30pF -20% / +80%								2	15
SFCDP5000440ZC	44pF -20% / +80%								3	19
SFCDP5000660ZC	66pF -20% / +80%								4	23
*SFCDP5000940ZC	94pF -20% / +80%								6	29
*SFCDP500136PMC	136pF								8	35
*SFCDP5000201MC	200pF								11	41
SFCDP5000301MC	300pF							1	15	50
*SFCDP5000441MC	440pF							2	20	57
*SFCDP5000661MC	660pF							3	25	65
*SFCDP5000941MX	940pF	+X7R	200	500				5	31	68
SFCDP5001N36MX	1.36nF	+X7R						7	37	>70
*SFCDP5000202MX	2nF	X7R						10	44	>70
SFCDP5000302MX	3nF							13	51	>70
*SFCDP5000442MX	4.4nF						1	17	59	>70
SFCDP5000662MX	6.6nF						2	21	64	>70
*SFCDP5000942MX	9.4nF						4	27	68	>70
SFCDP50013N6MX	13.6nF						6	34	>70	>70
*SFCDP5000203MX	20nF						9	40	>70	>70
*SFCDP5000303MX	30nF						12	48	>70	>70
*SFCDP5000443MX	44nF				1	14	54	>70	>70	
SFCDP5000663MX	66nF				2	17	63	>70	>70	
*SFCDP2000943MX	94nF		100	250	4	18	68	>70	>70	
SFCDP200136NMX	136nF				8	25	>70	>70	>70	
*SFCDP1000204MX	200nF		50	125	10	27	>70	>70	>70	
*SFCDP0500304MX	300nF				13	30	>70	>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 - SFCDP range

SF	C	D	P	200	0943	M	X	O
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	6.35mm Hex Head	12-32 UNEF	Pi = 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 = 9400pF	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.