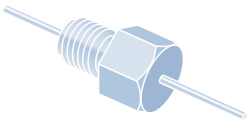
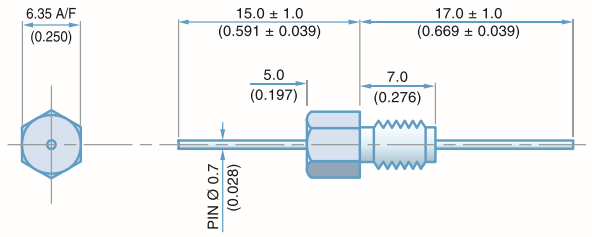
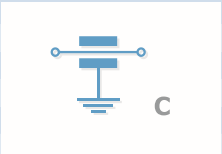




12-32 UNEF Class 2A Thread
6.35mm Hexagonal Head

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	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

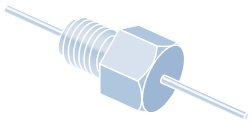
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFCDC5000100ZC	10pF -20% / +80%	C0G/NP0	500#	750	-	-	-	-	-	4
SFCDC5000150ZC	15pF -20% / +80%				-	-	-	-	-	7
SFCDC5000220ZC	22pF -20% / +80%				-	-	-	-	-	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			-	-	-	1	16	35
SFCDC5000681MX	680pF				-	-	-	2	19	36
*SFCDC5000102MX	1.0nF	X7R			-	-	-	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	70	>70

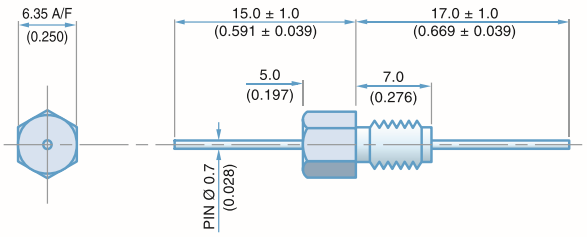
Also rated for operation at 115Vac 400Hz. Self heating will occur - evaluation in situ recommended. * Recommended values. † Also available in C0G/NP0.

Ordering Information - 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** = C0G/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.

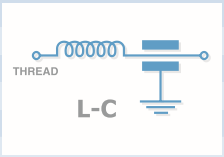




12-32 UNEF Class 2A Thread
6.35mm Hexagonal Head

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)	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

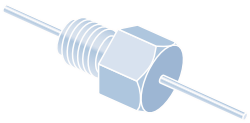
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFCDL5000100ZC	10pF -20% / +80%	C0G/NP0	500#	750	-	-	-	-	-	6
SFCDL5000150ZC	15pF -20% / +80%				-	-	-	-	-	9
SFCDL5000220ZC	22pF -20% / +80%				-	-	-	-	-	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			-	-	-	2	19	38
SFCDL5000681MX	680pF				-	-	-	3	22	41
*SFCDL5000102MX	1.0nF	X7R			-	-	-	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		200	500	-	10	29	49	66	>70
SFCDL1000334MX	330nF		100	250	-	13	33	52	68	>70
*SFCDL1000474MX	470nF				1	16	35	55	>70	>70
SFCDL0500684MX	680nF		50	125	2	19	38	58	>70	>70

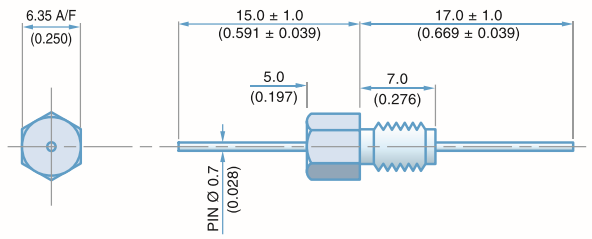
Also rated for operation at 115Vac 400Hz. Self heating will occur - evaluation in situ recommended. * Recommended values. † Also available in C0G/NP0.

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** = C0G/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.

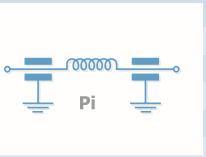




12-32 UNEF Class 2A Thread
6.35mm Hexagonal Head

Electrical Details

Electrical Configuration	Pi Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55ºC to +125ºC
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%	C0G/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						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		200	500		4	18	68	>70	>70
SFCDP200136NMX	136nF					8	25	>70	>70	>70
*SFCDP1000204MX	200nF		100	250		10	27	>70	>70	>70
*SFCDP0500304MX	300nF		50	125		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 C0G/NP0.

Ordering Information - SFCDP range

SF	C	D	P	200	0943	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	**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** = C0G/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.

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Knowles:

SFCDP5000442MX1 SFCDP5000301MC1 SFCDP5000302MX1 SFCDC1000474MX1 SFCDC1000684MX1
SFCDC2000224MX1 SFCDC5000473MX1 SFCDL0500684MX1 SFCDL1000224MX1 SFCDL1000334MX1
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