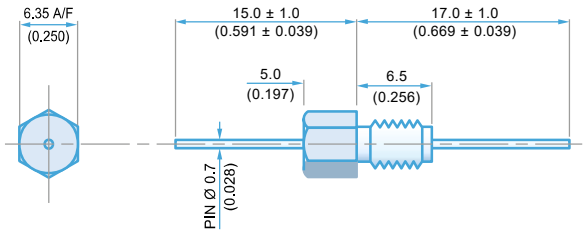
THE DATASHEET OF

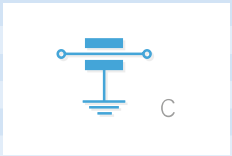
SFCML1000224MX0



M5 x 0.8 - 6g 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 Applicaple



Mechanical Details

Head Diameter	6.35mm *(0.250")*
Nut A/F	6.0mm *(0.236")*
Washer Diameter	9.1mm *(0.358")*
Mounting Torque	0.6Nm *(5.31lbf in)* max. if using nut 0.3Nm *(2.65lbf in)* max. into tapped hole
Mounting Hole Diameter	5.2mm ± 0.1 *(0.205" ±0.004")*
Max. Panel Thickness	3.4mm *(0.134")*
Weight (Typical)	1.8g *(0.06oz)*
Finish	Silver plate on copper undercoat

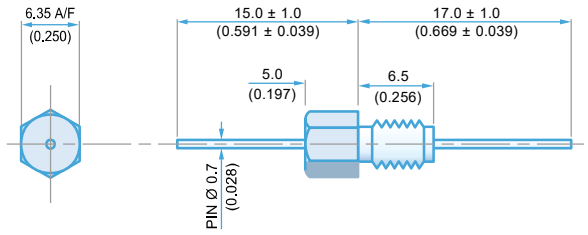
Product Code	Capacitance (±20%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFCMC5000100ZC	10pF -20% / +80%	C0G/NP0	500#	750						4
SFCMC5000150ZC	15pF -20% / +80%									7
SFCMC5000220ZC	22pF -20% / +80%									10
SFCMC5000330ZC	33pF -20% / +80%									12
*SFCMC5000470ZC	47pF -20% / +80%								1	15
*SFCMC5000680MC	68pF								2	18
*SFCMC5000101MC	100pF								4	22
SFCMC5000151MC	150pF								7	25
*SFCMC5000221MC	220pF								10	29
*SFCMC5000331MC	330pF								13	33
*SFCMC5000471MX	470pF	†X7R						1	16	35
SFCMC5000681MX	680pF							2	19	36
*SFCMC5000102MX	1.0nF	X7R						4	23	41
SFCMC5000152MX	1.5nF							7	26	45
*SFCMC5000222MX	2.2nF							10	30	50
SFCMC5000332MX	3.3nF							13	33	52
*SFCMC5000472MX	4.7nF						1	16	36	55
SFCMC5000682MX	6.8nF						2	19	39	57
*SFCMC5000103MX	10nF						4	22	41	60
*SFCMC5000153MX	15nF						7	25	44	62
*SFCMC5000223MX	22nF						10	29	46	65
SFCMC5000333MX	33nF						13	33	48	68
*SFCMC5000473MX	47nF					1	16	35	50	70
SFCMC5000683MX	68nF					2	19	39	54	>70
SFCMC5000104MX	100nF					4	22	41	57	>70
SFCMC5000154MX	150nF					7	25	45	60	>70
*SFCMC2000224MX	220nF		200	500		10	29	49	62	>70
SFCMC1000334MX	330nF		100	250		13	33	52	66	>70
*SFCMC1000474MX	470nF				1	16	35	55	68	>70
SFCMC0500684MX	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 - SFCMC range

SF	C	M	C	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 A/F	M5	**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

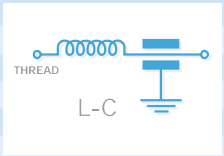
Note: The addition of a 4-digit numerical suffix code can be used to denote changes to the standard part.
Options include for example: change of finish / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.



M5 x 0.8 - 6g 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



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					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFCML5000100ZC	10pF -20% / +80%	C0G/NP0	500#	750	-	-	-	-	-	6
SFCML5000150ZC	15pF -20% / +80%				-	-	-	-	-	9
SFCML5000220ZC	22pF -20% / +80%				-	-	-	-	-	12
SFCML5000330ZC	33pF -20% / +80%				-	-	-	-	1	15
*SFCML5000470ZC	47pF -20% / +80%				-	-	-	-	2	19
*SFCML5000680MC	68pF				-	-	-	-	4	20
*SFCML5000101MC	100pF				-	-	-	-	7	24
SFCML5000151MC	150pF				-	-	-	-	10	27
*SFCML5000221MC	220pF				-	-	-	-	12	30
*SFCML5000331MC	330pF				-	-	-	1	16	34
*SFCML5000471MX	470pF	†X7R			-	-	-	2	19	38
SFCML5000681MX	680pF				-	-	-	3	22	41
*SFCML5000102MX	1.0nF	X7R			-	-	-	6	25	44
SFCML5000152MX	1.5nF				-	-	-	9	29	48
*SFCML5000222MX	2.2nF				-	-	-	12	31	51
SFCML5000332MX	3.3nF				-	-	-	15	35	54
*SFCML5000472MX	4.7nF				-	-	1	18	39	57
SFCML5000682MX	6.8nF				-	-	2	21	41	60
*SFCML5000103MX	10nF				-	-	4	23	43	63
*SFCML5000153MX	15nF				-	-	7	27	46	66
*SFCML5000223MX	22nF				-	-	10	30	48	68
SFCML5000333MX	33nF				-	-	13	34	50	70
*SFCML5000473MX	47nF				-	1	17	37	51	>70
SFCML5000683MX	68nF				-	2	20	40	55	>70
*SFCML5000104MX	100nF				-	4	22	44	60	>70
SFCML5000154MX	150nF				-	7	25	47	62	>70
*SFCML2000224MX	220nF		200	500	-	10	29	49	66	>70
SFCML1000334MX	330nF		100	250	-	13	33	53	68	>70
*SFCML1000474MX	470nF				1	16	35	56	>70	>70
SFCML0500684MX	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 - SFCML range

SF	C	M	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 A/F	M5	**L** = L-C Filter	**050** = 50Vdc **100** = 100Vdc **200** = 200Vdc **500** = 500Vdc	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

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