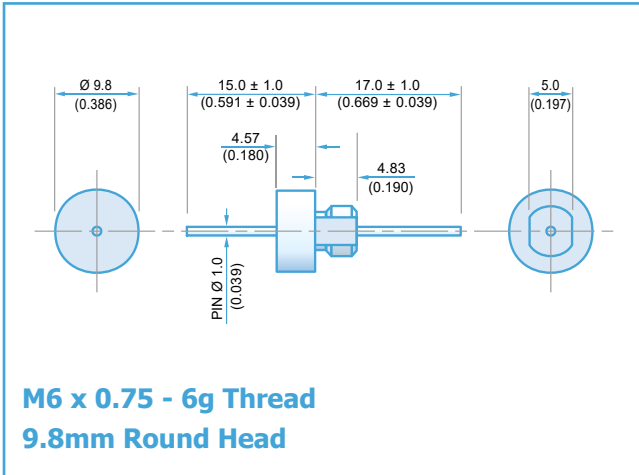




**THE DATASHEET OF  
SFJNL2000684MX1**





Electrical Details	
Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	15A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	Not Applicable
Mechanical Details	
Head Diameter	9.8mm (0.386")
Nut A/F	8.0mm (0.315")
Washer Diameter	11.35mm (0.447")
Mounting Torque	0.9Nm (7.97lbf in) max.
Mounting Hole Diameter	6.2mm (0.244") O.D. 5.3mm (0.208") A/F
Max. Panel Thickness	2.9mm (0.114")
Weight (Typical)	3.0g (0.11oz)
Finish	Silver plate on copper undercoat

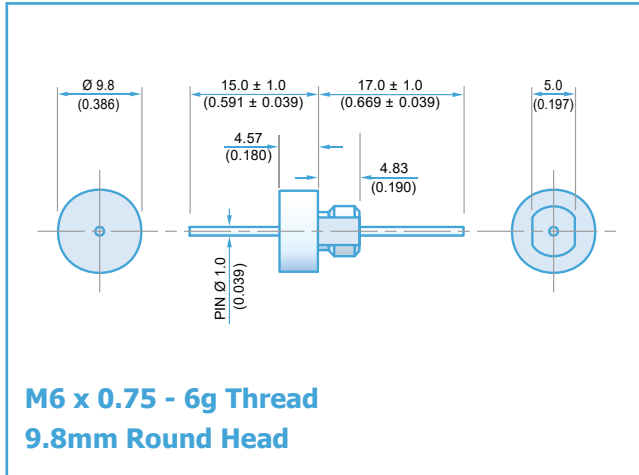
Product Code	Capacitance (±20%)	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)							
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz		
SFJNC3K00101MC	100pF	COG/NPO	3kV#	3.6kV					4	22		
SFJNC3K00151MC	150pF								7	25		
SFJNC3K00221MC	220pF								10	29		
SFJNC2K00331MC	330pF								13	33		
SFJNC2K00471MC	470pF							1	16	35		
SFJNC2K00681MC	680pF							2	19	39		
SFJNC2K00102MC	1.0nF	X7R	2kV#	2.4kV				4	23	41		
SFJNC2K00152MX	1.5nF							7	26	45		
SFJNC2K00222MX	2.2nF							10	30	50		
*SFJNC2K00332MX	3.3nF							13	33	52		
SFJNC2K00472MX	4.7nF						1	16	36	55		
*SFJNC2K00682MX	6.8nF						2	19	39	57		
*SFJNC2K00103MX	10nF		1kV#	1.2kV	1.2kV			7	25	44	62	
SFJNC1K00153MX	15nF							10	29	46	65	
SFJNC1K00223MX	22nF							13	33	48	68	
*SFJNC1K00333MX	33nF							1	16	35	50	
SFJNC1K00473MX	47nF							2	19	39	54	
*SFJNC1K00683MX	68nF							4	22	41	57	
SFJNC5000104MX	100nF			500#	750	750			7	25	45	60
*SFJNC5000154MX	150nF								10	29	49	62
SFJNC5000224MX	220nF								13	33	52	66
*SFJNC5000334MX	330nF								1	16	35	55
SFJNC5000474MX	470nF								2	19	38	58
SFJNC3000684MX	680nF								4	22	41	61
*SFJNC2000105MX	1.0µF	200	500	500			7	25	45	64		
*SFJNC1000155MX	1.5µF						10	29	48	66		
*SFJNC1000225MX	2.2µF						14	34	52	70		
SFJNC0500335MX	3.3µF						100	250	7	25	45	
			100	250	10	29	48	66				
			50	125	14	34	52	70				
								>70	>70			

# Also rated for operation at 115Vac 400Hz. Self-heating will occur - evaluation in situ recommended. \* Recommended values.

Ordering Information - SFJNC range

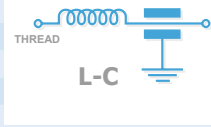
SF	J	N	C	050	0335	M	X	1
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	9.8mm dia.	M6	C = C Filter	050 = 50V 100 = 100V 200 = 200V 300 = 300V 500 = 500V 1K0 = 1kV 2K0 = 2kV 3K0 = 3kV	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: <b>0101</b> = 100pF <b>0332</b> = 3300pF	M = ±20%	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 pin length / custom body dimensions or threads / 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	15A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	500nH



**Mechanical Details**

Head Diameter	9.8mm (0.386")
Nut A/F	8.0mm (0.315")
Washer Diameter	11.35mm (0.447")
Mounting Torque	0.9Nm (7.97lbf in) max.
Mounting Hole Diameter	6.2mm (0.244") O.D. 5.3mm (0.208") A/F
Max. Panel Thickness	2.9mm (0.114")
Weight (Typical)	3.0g (0.11oz)
Finish	Silver plate on copper undercoat

Product Code	Capacitance (±20%)	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)						
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz	
SFJNL3K00101MC	100pF	COG/NPO	3kV#	3.6kV					7	24	
SFJNL3K00151MC	150pF								10	27	
SFJNL3K00221MC	220pF								12	30	
SFJNL2K00331MC	330pF							1	16	34	
SFJNL2K00471MC	470pF							2	19	38	
SFJNL2K00681MC	680pF							3	22	41	
SFJNL2K00102MC	1.0nF		X7R	2kV#	2.4kV					6	25
SFJNL2K00152MX	1.5nF									9	29
SFJNL2K00222MX	2.2nF									12	31
*SFJNL2K00332MX	3.3nF									15	35
SFJNL2K00472MX	4.7nF								1	18	39
*SFJNL2K00682MX	6.8nF								2	21	41
*SFJNL2K00103MX	10nF					4	23	43			
SFJNL1K00153MX	15nF			1kV#	1.2kV		7	27	46	66	
SFJNL1K00223MX	22nF					10	30	48	68		
*SFJNL1K00333MX	33nF					13	34	50	70		
SFJNL1K00473MX	47nF					1	17	37	51		
*SFJNL1K00683MX	68nF					2	20	40	55		
SFJNL5000104MX	100nF					4	22	44	60		
*SFJNL5000154MX	150nF			500#	750	7	25	47	62	>70	
SFJNL5000224MX	220nF					10	29	49	66		
*SFJNL5000334MX	330nF					13	33	53	68		
SFJNL5000474MX	470nF					1	16	35	56		
SFJNL3000684MX	680nF					2	19	38	58		
*SFJNL2000105MX	1.0µF		200			500	4	22	41	61	
*SFJNL1000155MX	1.5µF		100	250	7	25	45	64	>70		
*SFJNL1000225MX	2.2µF				10	29	48	66			
SFJNL0500335MX	3.3µF				50	125	14	34	52	70	

# Also rated for operation at 115Vac 400Hz. Self-heating will occur - evaluation in situ recommended. \* Recommended values.

**Ordering Information - SFJNL range**

SF	J	N	L	050	0335	M	X	1
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	9.8mm dia.	M6	L = L-C Filter	<b>050</b> = 50V <b>100</b> = 100V <b>200</b> = 200V <b>300</b> = 300V <b>500</b> = 500V <b>1K0</b> = 1kV <b>2K0</b> = 2kV <b>3K0</b> = 3kV	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: <b>0101</b> = 100pF <b>0332</b> = 3300pF	<b>M</b> = ±20%	<b>C</b> = COG/NPO <b>X</b> = X7R	<b>0</b> = Without <b>1</b> = 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 pin length / custom body dimensions or threads / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.

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