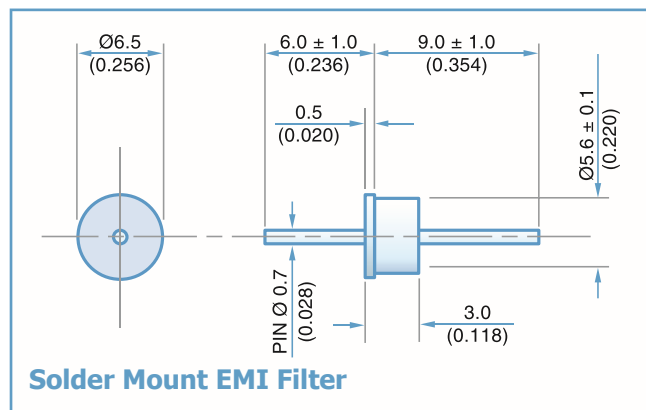
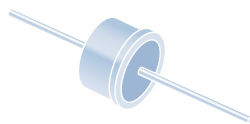
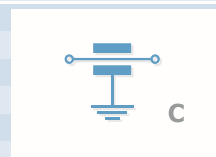


**Electrical Details**

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

**Mechanical Details**

Body Flange Diameter	6.5mm (0.256")
Mounting Hole Diameter	5.8mm (0.228")
Max. Soldering Temperature	250°C
Temperature Rise	Less than 4°C per second
Soldering Time	10 seconds maximum
Solder Type	Sn62/SAC or equivalent
Weight (Typical)	0.7g (0.025oz)
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	
*SFSUC5000100ZC0	10pF -20% / +80%	COG/NP0	500#	750	-	-	-	-	-	4	
SFSUC5000150ZC0	15pF -20% / +80%				-	-	-	-	-	7	
SFSUC5000220ZC0	22pF -20% / +80%				-	-	-	-	-	10	
SFSUC5000330ZC0	33pF -20% / +80%				-	-	-	-	-	12	
*SFSUC5000470ZC0	47pF -20% / +80%				-	-	-	-	1	15	
*SFSUC5000680MC0	68pF				-	-	-	-	2	18	
*SFSUC5000101MC0	100pF				-	-	-	-	4	22	
SFSUC5000151MC0	150pF				-	-	-	-	7	25	
*SFSUC5000221MC0	220pF				-	-	-	-	10	29	
*SFSUC5000331MC0	330pF				-	-	-	-	13	33	
*SFSUC5000471MC0	470pF				-	-	-	1	16	35	
SFSUC5000681MC0	680pF				-	-	-	2	19	36	
*SFSUC5000102MX0	1.0nF	X7R			-	-	-	4	23	41	
SFSUC5000152MX0	1.5nF				-	-	-	7	26	45	
*SFSUC5000222MX0	2.2nF				-	-	-	10	30	50	
SFSUC5000332MX0	3.3nF				-	-	-	13	33	52	
*SFSUC5000472MX0	4.7nF				-	-	1	16	36	55	
SFSUC5000682MX0	6.8nF				-	-	2	19	39	57	
*SFSUC5000103MX0	10nF				-	-	4	22	41	60	
*SFSUC5000153MX0	15nF				-	-	7	25	44	62	
*SFSUC5000223MX0	22nF				-	-	10	29	46	65	
SFSUC5000333MX0	33nF				-	-	13	33	48	68	
*SFSUC5000473MX0	47nF				-	1	16	35	50	70	
*SFSUC5000683MX0	68nF				-	2	19	39	54	>70	
*SFSUC5000104MX0	100nF				-	4	22	41	57	>70	
SFSUC5000154MX0	150nF				-	7	25	45	60	>70	
*SFSUC2000224MX0	220nF			200	500	-	10	29	49	62	>70
SFSUC1000334MX0	330nF			100	250	-	13	33	52	66	>70
*SFSUC1000474MX0	470nF			100	250	1	16	35	55	68	>70
SFSUC0500684MX0	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.

Ordering Information - SFSUC range

SF	S	U	C	500	0154	M	X	0
Type	Case style	Dia.	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	Solder	5.6mm	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 = $\pm 20\%$ Z = -20+80%	C = COG/NP0 X = X7R	0 = Without

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Knowles:

<u>SFSUC0500684MX0</u>	<u>SFSUC1000474MX0</u>	<u>SFSUC2000224MX0</u>	<u>SFSUC5000103MX0</u>	<u>SFSUC5000104MX0</u>
<u>SFSUC5000223MX0</u>	<u>SFSUC0500334MX0</u>	<u>SFSUC0500474MX0</u>	<u>SFSUC1000224MX0</u>	<u>SFSUC2000154MX0</u>
<u>SFSUC3000104MX0</u>	<u>SFSUC5000100ZC0</u>	<u>SFSUC5000221MX0</u>	<u>SFSUC5000222MX0</u>	<u>SFSUC5000330ZC0</u>
<u>SFSUC5000472MX0</u>	<u>SFSUC5000473MX0</u>	<u>SFSUC5000680MC0</u>	<u>SFSUC5000681MX0</u>	<u>SFSUC5000682MX0</u>
<u>SFSUC5000683MX0</u>	<u>SFSUC5000220ZC0</u>	<u>SFSUC5000331MX0</u>	<u>SFSUC5000332MX0</u>	<u>SFSUC5000333MX0</u>
<u>SFSUC5000470ZC0</u>	<u>SFSUC5000471MX0</u>	<u>SFSUC5000101MC0</u>	<u>SFSUC5000102MX0</u>	<u>SFSUC5000150ZC0</u>
<u>SFSUC5000151MC0</u>	<u>SFSUC5000152MX0</u>	<u>SFSUC5000153MX0</u>		