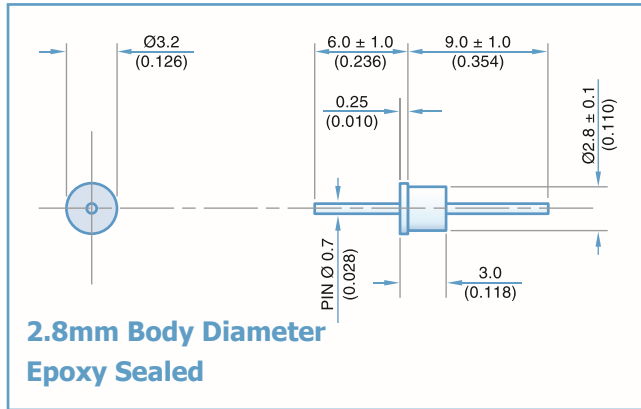
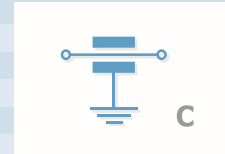




Electrical Details

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

Body Flange Diameter	3.2mm (0.126")
Mounting Hole Diameter	3.0mm (0.118")
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)	0.4g (0.015oz)
Finish	Silver plate on copper undercoat

Product Code	Capacitance (-20 +80%)	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFSRC5000100ZC0	10pF	C0G/NP0	500#	750	-	-	-	-	-	4
SFSRC5000220ZC0	22pF				-	-	-	-	-	10
SFSRC5000470ZC0	47pF				-	-	-	-	1	15
*SFSRC5000101ZC0	100pF				-	-	-	-	4	22
SFSRC5000221ZC0	220pF				-	-	-	-	10	29
SFSRC5000471ZX0	470pF	X7R			-	-	-	1	16	35
*SFSRC5000102ZX0	1.0nF				-	-	-	4	23	41
SFSRC5000222ZX0	2.2nF				-	-	-	10	30	50
*SFSRC5000472ZX0	4.7nF				-	-	1	16	36	55
*SFSRC2000103ZX0	10nF		200	500	-	-	4	22	41	60
*SFSRC1000223ZX0	22nF		100	250	-	-	10	29	46	65
*SFSRC0500473ZX0	47nF		50	125	-	1	16	35	50	70

Also rated for operation at 115Vac 400Hz. Self heating will occur - evaluation in situ recommended.

* Recommended values.

Ordering Information - SFSRC range

SF	S	R	C	500	0472	Z	X	0
Type	Case style	Dia.	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	Solder	2.8mm	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	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.

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Knowles:

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[SFSRC5000220ZC0](#) [SFSRC5000222ZX0](#) [SFSRC5000470ZC0](#)