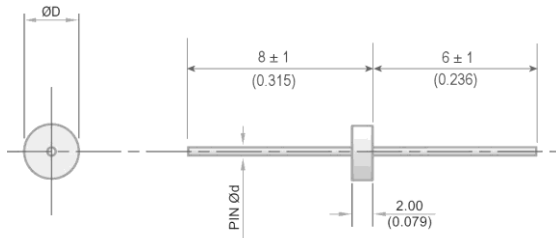


Circuit Configuration



Dimensions mm (inches)



Standard dimensions shown. Lead lengths can be customised - Refer to factory.

Electrical Details

Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	See Table
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	Not Applicable

Mechanical Details

Max Soldering Temperature	250°C
Temperature Rise	Less than 4°C per second
Soldering Time	10 seconds maximum
Solder Type	Sn62/SAC or equivalent
Pin Material	Copper alloy (silver plated)

Dielectric Withstand Voltage (D.W.V.)

Rated Voltage	D.W.V.	Rated Voltage	D.W.V.
50Vdc	125Vdc	500Vdc	750Vdc
100Vdc	250Vdc	1000Vdc	1200Vdc
200Vdc	500Vdc	2000Vdc	2400Vdc
300Vdc	550Vdc	3000Vdc	3600Vdc

Suffix Code	0066	0096	0046	0038	0097
Cap. Diameter (D)	2.3mm (0.091")	2.8mm (0.110")	3mm (0.118")	5mm (0.197")	8.75mm (0.344")
Pin Diameter (d)	0.7mm (0.028")	0.7mm (0.028")	0.7mm (0.028")	0.7mm (0.028")	1.0mm (0.039")
Capacitance Tol.	-20%+80%	-20%+80% up to 47pF ±20% 68pF & above	-20%+80% up to 47pF ±20% 68pF & above	±20%	±20%
Max Current Rating	10A	10A	10A	10A	15A
Rated Voltage d.c.	50V 100V 200V 500V	50V 100V 200V 300V 500V	50V 100V 200V 300V 500V	50V 100V 200V 300V 500V	50V 100V 200V 300V 500V 1kV 2kV 3kV
Cap value					
10pF					
15pF					
22pF					
33pF					
47pF					
68pF					
100pF					
150pF					
220pF					
330pF					
470pF					
680pF					
1.0nF					
1.5nF					
2.2nF					
3.3nF					
4.7nF					
6.8nF					
10nF					
15nF					
22nF					
33nF					
47nF					
68nF					
100nF					
150nF					
220nF					
330nF					
470nF					
680nF					
1.0µF					
1.5µF					
2.2µF					
3.3µF					

† Also available in C0G

Ordering Information

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Nuts & washers	Suffix Code
SF	S	S	C	500	0102	M	X	0	
Syfer Filter	Solder	S=Special (no case)	C = C Filter	050 = 50V 100 = 100V 200 = 200V 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 the number of zeros following. Examples: 0101 = 100pF 0332 = 3300pF	M = ± 20% Z = -20+80%	C = C0G/NP0 X = X7R	0 = Without	/0066 /0096 /0046 /0097

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.



Mouser Electronics

Authorized Distributor

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

[Knowles:](#)

[SFSSC5000472ZX0/0066](#)