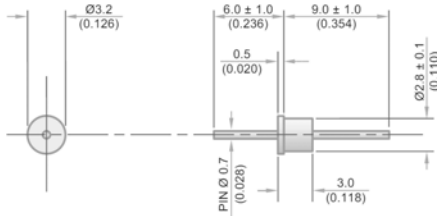


**Solder Mount EMI Filter Datasheet**  
(2.8mm Body Diameter, Epoxy Sealed)

**Circuit Configuration**



Dimensions mm (inches)



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 (dc)	DWW (dc)	Typical Insertion Loss (db)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
SFSRC5000100ZC0	10pF	C0G	500	750						4
SFSRC5000220ZC0	22pF	C0G	500	750						10
SFSRC5000470ZC0	47pF	C0G	500	750					1	15
SFSRC5000101ZC0	100pF	C0G	500	750					4	22
SFSRC5000221ZC0	220pF	C0G	500	750					10	29
SFSRC5000471ZX0	470pF	X7R	500	750				1	16	35
SFSRC5000102ZX0	1.0nF	X7R	500	750				4	23	41
SFSRC5000222ZX0	2.2nF	X7R	500	750				10	30	50
SFSRC5000472ZX0	4.7nF	X7R	500	750			1	16	36	55
SFSRC2000103ZX0	10nF	X7R	200	500			4	22	41	60
SFSRC1000223ZX0	22nF	X7R	100	250			10	29	46	65
SFSRC0500473ZX0	47nF	X7R	50	125		1	16	35	50	70

**Ordering Information**

Type	Case Style	Diameter	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Nuts & washers
SF	S	R	C	500	0102	M	X	O
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 the number of zeros following. Examples: 0101 = 100pF 0332 = 3300pF	Z = -20+80%	C = C0G/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 pin length / custom body dimensions or threads / alternative voltage rating / non-standard intermediate capacitance values / test requirements.

Please refer specific requests to the factory.

