

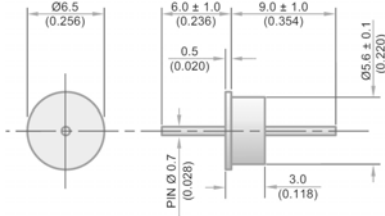
# Solder Mount EMI Filter Datasheet

(5.6mm 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	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 (dc)	DWV (dc)	Typical Insertion Loss (db)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
SFSUC5000100ZC0	10pF -20% / +80%	C0G	500	750						4
SFSUC5000150ZC0	15pF -20% / +80%	C0G	500	750						7
SFSUC5000220ZC0	22pF -20% / +80%	C0G	500	750						10
SFSUC5000330ZC0	33pF -20% / +80%	C0G	500	750						12
SFSUC5000470ZC0	47pF -20% / +80%	C0G	500	750					1	15
SFSUC5000680MC0	68pF	C0G	500	750					2	18
SFSUC5000101MC0	100pF	C0G	500	750					4	22
SFSUC5000151MC0	150pF	C0G	500	750					7	25
SFSUC5000221MC0	220pF	C0G	500	750					10	29
SFSUC5000331MC0	330pF	C0G	500	750					13	33
SFSUC5000471MC0	470pF	C0G	500	750				1	16	35
SFSUC5000681MC0	680pF	C0G	500	750				2	19	36
SFSUC5000102MX0	1.0nF	X7R	500	750				4	23	41
SFSUC5000152MX0	1.5nF	X7R	500	750				7	26	45
SFSUC5000222MX0	2.2nF	X7R	500	750				10	30	50
SFSUC5000332MX0	3.3nF	X7R	500	750				13	33	52
SFSUC5000472MX0	4.7nF	X7R	500	750			1	16	36	55
SFSUC5000682MX0	6.8nF	X7R	500	750			2	19	39	57
SFSUC5000103MX0	10nF	X7R	500	750			4	22	41	60
SFSUC5000153MX0	15nF	X7R	500	750			7	25	44	62
SFSUC5000223MX0	22nF	X7R	500	750			10	29	46	65
SFSUC5000333MX0	33nF	X7R	500	750			13	33	48	68
SFSUC5000473MX0	47nF	X7R	500	750		1	16	35	50	70
SFSUC5000683MX0	68nF	X7R	500	750		2	19	39	54	>70
SFSUC5000104MX0	100nF	X7R	500	750		4	22	41	57	>70
SFSUC5000154MX0	150nF	X7R	500	750		7	25	45	60	>70
SFSUC2000224MX0	220nF	X7R	200	500		10	29	49	62	>70
SFSUC1000334MX0	330nF	X7R	100	250		13	33	52	66	>70
SFSUC1000474MX0	470nF	X7R	100	250	1	16	35	55	68	>70
SFSUC0500684MX0	680nF	X7R	50	125	2	19	38	58	70	>70

## Ordering Information

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Nuts & washers
SF	S	U	C	500	0102	M	X	0
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 the number of zeros following. Examples: 0101 = 100pF 0332 = 3300pF	M = ±20% Z = -20+80%	C = COG/NPO 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.

