

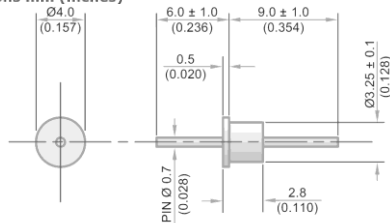
Solder Mount EMI Filter Datasheet

(3.25mm 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	4.0mm (0.157")
Mounting Hole Diameter	3.5mm (0.138")
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%	Dielectric	Rated Voltage (dc)	DWV (dc)	Typical Insertion Loss (db)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
SFSTC5000100ZC0	10pF -20% / +80%	C0G	500#	750						4
SFSTC5000150ZC0	15pF -20% / +80%	C0G	500#	750						7
SFSTC5000220ZC0	22pF -20% / +80%	C0G	500#	750						10
SFSTC5000330ZC0	33pF -20% / +80%	C0G	500#	750						12
SFSTC5000470ZC0	47pF -20% / +80%	C0G	500#	750					1	15
SFSTC5000680MC0	68pF	C0G	500#	750					2	18
*SFSTC5000101MC0	100pF	C0G	500#	750					4	22
SFSTC5000151MC0	150pF	C0G	500#	750					7	25
SFSTC5000221MC0	220pF	C0G	500#	750					10	29
SFSTC5000331MC0	330pF	C0G	500#	750					13	33
SFSTC5000471MC0	470pF	C0G	500#	750				1	16	35
SFSTC5000681MC0	680pF	C0G	500#	750				2	19	39
SFSTC5000102MX0	1.0nF	X7R	500#	750				4	23	41
*SFSTC5000152MX0	1.5nF	X7R	500#	750				7	26	45
*SFSTC5000222MX0	2.2nF	X7R	500#	750				10	30	50
*SFSTC5000332MX0	3.3nF	X7R	500#	750				13	33	52
*SFSTC5000472MX0	4.7nF	X7R	500#	750			1	16	36	55
SFSTC5000682MX0	6.8nF	X7R	500#	750			2	19	39	57
*SFSTC5000103MX0	10nF	X7R	500#	750			4	22	41	60
SFSTC5000153MX0	15nF	X7R	500#	750			7	25	44	62
*SFSTC5000223MX0	22nF	X7R	500#	750			10	29	46	65
*SFSTC3000333MX0	33nF	X7R	300	600			13	33	48	68
SFSTC2000473MX0	47nF	X7R	200	500		1	16	35	50	70
SFSTC1000683MX0	68nF	X7R	100	250		2	19	39	54	>70
SFSTC0500104MX0	100nF	X7R	50	125		4	22	41	57	>70

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

* Recommended values

Ordering Information

Type	Case Style	Diameter	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Nuts & washers
SF	S	T	C	500	0102	M	X	0
Syfer Filter	Solder	3.25mm	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 = 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.

