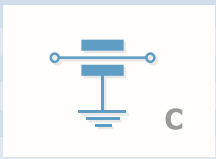


3.25mm Body Diameter
Epoxy Sealed

Electrical Details

Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55ºC to +125ºC
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%) UOS	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
SFSTC5000100ZC0	10pF -20% / +80%	C0G/NP0	500#	750	-	-	-	-	-	4
SFSTC5000150ZC0	15pF -20% / +80%				-	-	-	-	-	7
SFSTC5000220ZC0	22pF -20% / +80%				-	-	-	-	-	10
SFSTC5000330ZC0	33pF -20% / +80%				-	-	-	-	-	12
SFSTC5000470ZC0	47pF -20% / +80%				-	-	-	-	1	15
SFSTC5000680MC0	68pF				-	-	-	-	2	18
*SFSTC5000101MC0	100pF				-	-	-	-	4	22
SFSTC5000151MC0	150pF				-	-	-	-	7	25
SFSTC5000221MC0	220pF				-	-	-	-	10	29
SFSTC5000331MC0	330pF				-	-	-	-	13	33
SFSTC5000471MC0	470pF				-	-	-	1	16	35
SFSTC5000681MC0	680pF				-	-	-	2	19	39
SFSTC5000102MX0	1.0nF	X7R			-	-	-	4	23	41
*SFSTC5000152MX0	1.5nF				-	-	-	7	26	45
*SFSTC5000222MX0	2.2nF				-	-	-	10	30	50
*SFSTC5000332MX0	3.3nF				-	-	-	13	33	52
*SFSTC5000472MX0	4.7nF				-	-	1	16	36	55
SFSTC5000682MX0	6.8nF				-	-	2	19	39	57
*SFSTC5000103MX0	10nF				-	-	4	22	41	60
SFSTC5000153MX0	15nF				-	-	7	25	44	62
*SFSTC5000223MX0	22nF				-	-	10	29	46	65
*SFSTC3000333MX0	33nF		300	600	-	-	13	33	48	68
SFSTC2000473MX0	47nF		200	500	-	1	16	35	50	70
SFSTC1000683MX0	68nF		100	250	-	2	19	39	54	>70
SFSTC0500104MX0	100nF		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 - SFSTC range

SF	S	T	C	500	0223	M	X	0
Type	Case style	Dia.	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	Solder	3.25mm	**C** = C Filter	**050** = 50V **100** = 100V **200** = 200V **300** = 300V **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	**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 finish / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.