



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



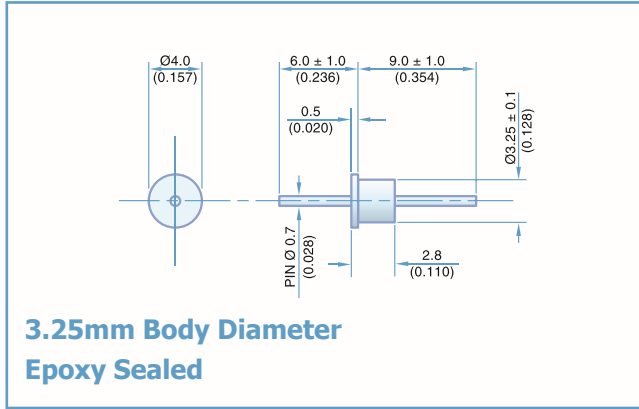
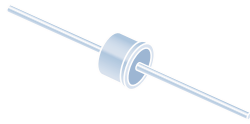
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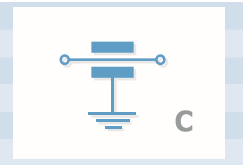
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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%) 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%	COG/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	300	600	-	-	-	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	-	200	500				-	1	16	35	50	70
SFSTC2000473MX0	47nF	-	100	250				-	2	19	39	54	>70
SFSTC1000683MX0	68nF	-	50	125				-	4	22	41	57	>70
SFSTC0500104MX0	100nF	-						-					

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	O
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 = COG/NP0 X = X7R	O = 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.