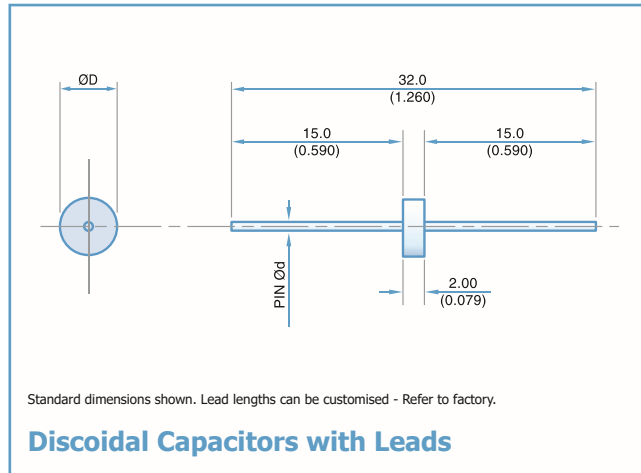




Electrical Details

Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	See Table
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	Not Applicable



Mechanical Details

Max Soldering Temperature	250°C
Temperature Rise	Less than 4°C per second
Soldering Time	10 seconds maximum
Solder Type	Sn62/SAC or equivalent
Pin Material	Copper Alloy (silver plated)

Dielectric Withstand Voltage (D.W.V)

Rated Voltage	D.W.V.	Rated Voltage	D.W.V.
50Vdc	125Vdc	500Vdc	750Vdc
100Vdc	250Vdc	1000Vdc	1200Vdc
200Vdc	500Vdc	2000Vdc	2400Vdc
300Vdc	550Vdc	3000Vdc	3600Vdc

Suffix Code		0066				0096				0046					0038					0097								
Cap. Diameter (D)		2.3mm (0.091")				2.8mm (0.110")				3mm (0.118")					5mm (0.197")					8.75mm (0.344")								
Pin Diameter (d)		0.7mm (0.028")				0.7mm (0.028")				0.7mm (0.028")					0.7mm (0.028")					1.0mm (0.039")								
Capacitance Tol.		-20% +80%				-20%+80% up to 47pF ±20% 68pF & above				-20%+80% up to 47pF ±20% 68pF & above					±20%					±20%								
Max. Current Rating		10A				10A				10A					10A					15A								
Rated Voltage d.c.		50V	100V	200V	500V	50V	100V	200V	300V	500V	50V	100V	200V	300V	500V	50V	100V	200V	300V	500V	50V	100V	200V	300V	500V	1kV	2kV	3kV
Cap Value	10pF				C0G										C0G													
	15pF														C0G													
	22pF				C0G										C0G													
	33pF														C0G													
	47pF				C0G										C0G													
	68pF														C0G													
	100pF				C0G										C0G													C0G
	150pF														C0G													C0G
	220pF				C0G										C0G													C0G
	330pF														C0G													
	470pF				X7R										†X7R													
	680pF														†X7R													
	1.0nF				X7R					X7R					X7R													
	1.5nF									X7R					X7R													X7R
	2.2nF				X7R					X7R					X7R													X7R
	3.3nF									X7R					X7R													X7R
	4.7nF				X7R					X7R					X7R													X7R
	6.8nF									X7R					X7R													X7R
	10nF				X7R					X7R					X7R													X7R
	15nF									X7R					X7R												X7R	
	22nF			X7R						X7R					X7R												X7R	
	33nF									X7R					X7R												X7R	
	47nF	X7R							X7R					X7R		X7R					X7R						X7R	
	68nF						X7R							X7R						X7R							X7R	
	100nF				X7R								X7R							X7R							X7R	
	150nF										X7R									X7R							X7R	
	220nF																		X7R								X7R	
	330nF																		X7R								X7R	
	470nF																		X7R	X7R							X7R	
	680nF															X7R										X7R		
	1.0µF																									X7R		
	1.5µF																								X7R			
	2.2µF																								X7R			
	3.3µF																					X7R						

Ordering Information - SFSSC range

SF	S	S	C	500	0102	M	X	O	/0046
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers	Suffix Code
Syfer Filter	Solder	S = Special (no case)	C = C Filter	050 = 50V 100 = 100V 200 = 200V 500 = 500V 1K0 = 1kV 2K0 = 2kV 3K0 = 3kV	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	/0066 /0096 /0046 /0097

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.