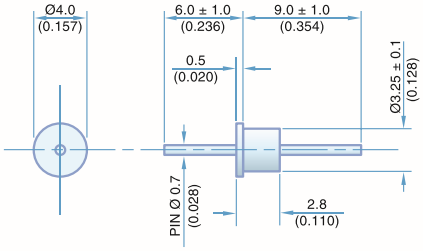
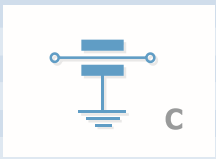



**3.25mm Body Diameter**
**Epoxy Sealed**

## 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<br>**100** = 100V<br>**200** = 200V<br>**300** = 300V<br>**500** = 500V | First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following<br>Example: **0101** = 100pF<br>**0332** = 3300pF | **M** = ±20%<br>**Z** = -20+80% | **C** = C0G/NP0<br>**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.