
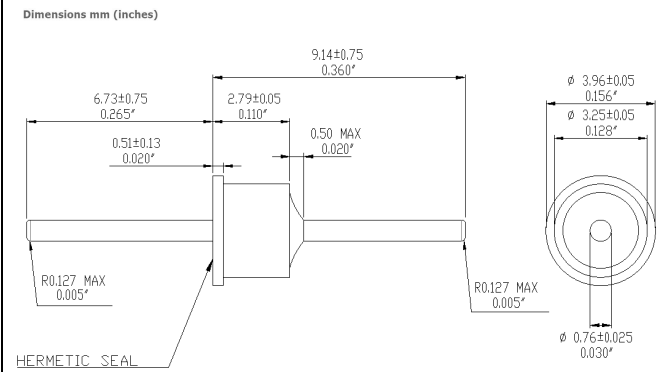


| Circuit Configuration | | Electrical Details | |
|---|-----------------------------|------------------------------|--------------------------|
|  | | Electrical Configuration | C Filter |
| | | Capacitance Measurement | @ 1000hr Point |
|  | | Current Rating | 5A |
| | | Insulation Resistance (IR) | 10GΩ or 1000ΩF |
| | | Temperature Rating | -55°C to +125°C |
| | | Ferrite Inductance (Typical) | Not Applicable |
| | | Mechanical Details | |
| Body Flange Diameter | 3.96mm (0.156") | 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 | Mounting Solder Type | Sn62/SAC or equivalent |
| Weight (Typical) | 0.4g (0.015oz) | Finish | Gold plate over Ni / Cu |
| Seal (Flange End / Bottom End) | Hermetic Glass Seal / Epoxy | | |

| Product Code | Capacitance (±20% UOS) | Dielectric | Rated Voltage (dc) | DWV (dc) | Typical Insertion Loss (dB) | | | |
|-----------------|---------------------------|------------|-----------------------|-------------|-----------------------------|-------|--------|------|
| | | | | | 1MHz | 10MHz | 100MHz | 1GHz |
| SFSWG5000100ZC0 | 10pF -20% +80% | C0G | 500 | 750 | | | | 4 |
| SFSWG5000220ZC0 | 22pF -20% +80% | C0G | 500 | 750 | | | | 10 |
| SFSWG5000330ZC0 | 33pF -20% +80% | C0G | 500 | 750 | | | | 12 |
| SFSWG5000470ZC0 | 47pF -20% +80% | C0G | 500 | 750 | | | 1 | 15 |
| SFSWG5000680ZC0 | 68pF -20% +80% | C0G | 500 | 750 | | | 2 | 18 |
| SFSWG5000101MC0 | 100pF | C0G | 500 | 750 | | | 4 | 22 |
| SFSWG5000151MC0 | 150pF | C0G | 500 | 750 | | | 7 | 25 |
| SFSWG5000221MC0 | 220pF | C0G | 500 | 750 | | | 10 | 29 |
| SFSWG5000331MC0 | 330pF | C0G | 500 | 750 | | | 13 | 33 |
| SFSWG5000471MC0 | 470pF | C0G | 500 | 750 | | | 16 | 35 |
| SFSWG5000681MX0 | 680pF | X7R | 500 | 750 | | 1 | 19 | 39 |
| SFSWG5000102MX0 | 1.0nF | X7R | 500 | 750 | | 2 | 23 | 41 |
| SFSWG5000152MX0 | 1.5nF | X7R | 500 | 750 | | 4 | 26 | 45 |
| SFSWG5000222MX0 | 2.2nF | X7R | 500 | 750 | | 7 | 30 | 50 |
| SFSWG5000332MX0 | 3.3nF | X7R | 500 | 750 | | 10 | 33 | 52 |
| SFSWG5000472MX0 | 4.7nF | X7R | 500 | 750 | 1 | 16 | 36 | 57 |
| SFSWG5000682MX0 | 6.8nF | X7R | 500 | 750 | 2 | 19 | 39 | 57 |
| SFSWG5000103MX0 | 10nF | X7R | 500 | 750 | 4 | 22 | 41 | 60 |
| SFSWG2000153MX0 | 15nF | X7R | 200 | 500 | 7 | 25 | 44 | 62 |
| SFSWG2000223MX0 | 22nF | X7R | 200 | 500 | 10 | 29 | 46 | 65 |
| SFSWG1000333MX0 | 33nF | X7R | 100 | 250 | 13 | 33 | 48 | 68 |

Ordering Information

| Type | Case Style | Diameter | Electrical configuration | Voltage (dc) | Capacitance in picofarads (pF) | Capacitance Tolerance | Dielectric | Nuts & washers |
|--------------|------------|----------|--|--|--|---------------------------|--------------------|----------------|
| SF | S | W | G | 100 | 0223 | M | X | 0 |
| Syfer Filter | Solder | 3.25mm | G = C Filter with hermetic glass seal flange end | 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: 0201 = 200pF 0222 = 2200pF | Z = -20% +80% M = ±20% | X = X7R C = C0G | 0 = Without |

Note: A 4-digit numerical suffix code (allocated by the factory) 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.