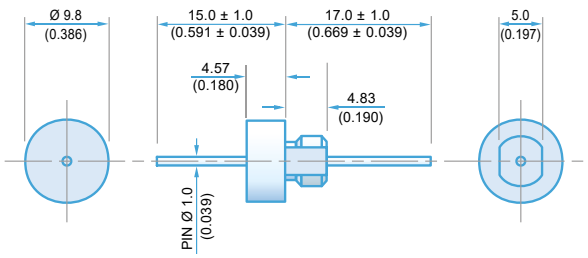
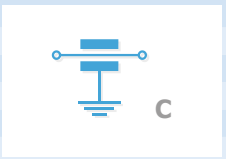



**M6 x 0.75 - 6g Thread**
**9.8mm Round Head**

## Electrical Details

| | |
|---|---|
| Electrical Configuration | C Filter |
| Capacitance Measurement | @ 1000hr Point |
| Current Rating | 15A |
| Insulation Resistance (IR) | 10GΩ or 1000ΩF |
| Temperature Rating | -55ºC to +125ºC |
| Ferrite Inductance (Typical) | Not Applicable |




## Mechanical Details

| | |
|---|---|
| Head Diameter | 9.8mm *(0.386")* |
| Nut A/F | 8.0mm *(0.315")* |
| Washer Diameter | 11.35mm *(0.447")* |
| Mounting Torque | 0.9Nm *(7.97lbf in)* max. |
| Mounting Hole Diameter | 6.2mm *(0.244")* O.D.<br>5.3mm *(0.208")* A/F |
| Max. Panel Thickness | 2.9mm *(0.114")* |
| Weight (Typical) | 3.0g *(0.11oz)* |
| Finish | Silver plate on copper undercoat |



| Product Code | Capacitance (±20%) | Dielectric | Rated Voltage (Vdc) | DWV (Vdc) | Typical No-Load Insertion Loss (dB) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 0.01MHz | 0.1MHz | 1MHz | 10MHz | 100MHz | 1GHz |
| SFJNC3K00101MC | 100pF | C0G/NP0 | 3kV# | 3.6kV | | | | | 4 | 22 |
| SFJNC3K00151MC | 150pF | | | | | | | | 7 | 25 |
| SFJNC3K00221MC | 220pF | | | | | | | | 10 | 29 |
| SFJNC2K00331MC | 330pF | | 2kV# | 2.4kV | | | | | 13 | 33 |
| SFJNC2K00471MC | 470pF | | | | | | | 1 | 16 | 35 |
| SFJNC2K00681MC | 680pF | | | | | | | 2 | 19 | 39 |
| SFJNC2K00102MC | 1.0nF | | | | | | | 4 | 23 | 41 |
| SFJNC2K00152MX | 1.5nF | X7R | | | | | | 7 | 26 | 45 |
| SFJNC2K00222MX | 2.2nF | | | | | | | 10 | 30 | 50 |
| *SFJNC2K00332MX | 3.3nF | | | | | | | 13 | 33 | 52 |
| SFJNC2K00472MX | 4.7nF | | | | | | 1 | 16 | 36 | 55 |
| *SFJNC2K00682MX | 6.8nF | | | | | | 2 | 19 | 39 | 57 |
| *SFJNC2K00103MX | 10nF | | | | | | 4 | 22 | 41 | 60 |
| SFJNC1K00153MX | 15nF | | 1kV# | 1.2kV | | | 7 | 25 | 44 | 62 |
| SFJNC1K00223MX | 22nF | | | | | | 10 | 29 | 46 | 65 |
| *SFJNC1K00333MX | 33nF | | | | | | 13 | 33 | 48 | 68 |
| SFJNC1K00473MX | 47nF | | | | | 1 | 16 | 35 | 50 | 70 |
| *SFJNC1K00683MX | 68nF | | | | | 2 | 19 | 39 | 54 | >70 |
| SFJNC5000104MX | 100nF | | 500# | 750 | | 4 | 22 | 41 | 57 | >70 |
| *SFJNC5000154MX | 150nF | | | | | 7 | 25 | 45 | 60 | >70 |
| SFJNC5000224MX | 220nF | | | | | 10 | 29 | 49 | 62 | >70 |
| *SFJNC5000334MX | 330nF | | | | | 13 | 33 | 52 | 66 | >70 |
| SFJNC5000474MX | 470nF | | 500 | | 1 | 16 | 35 | 55 | 68 | >70 |
| SFJNC3000684MX | 680nF | | 300 | 600 | 2 | 19 | 38 | 58 | 70 | >70 |
| *SFJNC2000105MX | 1.0µF | | 200 | 500 | 4 | 22 | 41 | 61 | >70 | >70 |
| *SFJNC1000155MX | 1.5µF | | 100 | 250 | 7 | 25 | 45 | 64 | >70 | >70 |
| * SFJNC1000225MX | 2.2µF | | 100 | | 10 | 29 | 48 | 66 | >70 | >70 |
| SFJNC0500335MX | 3.3µF | | 50 | 125 | 14 | 34 | 52 | 70 | >70 | >70 |

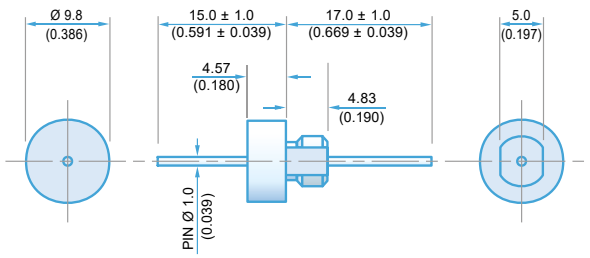
# Also rated for operation at 115Vac 400Hz. Self-heating will occur - evaluation in situ recommended. * Recommended values.

## Ordering Information - SFJNC range

| SF | J | N | C | 050 | 0335 | M | X | 1 |
|---|---|---|---|---|---|---|---|---|
| **Type** | **Case style** | **Thread** | **Electrical configuration** | **Voltage (dc)** | **Capacitance in picofarads (pF)** | **Tolerance** | **Dielectric** | **Nuts & Washers** |
| Syfer Filter | 9.8mm dia. | M6 | **C** = C Filter | **050** = 50V<br>**100** = 100V<br>**200** = 200V<br>**300** = 300V<br>**500** = 500V<br>**1K0** = 1kV<br>**2K0** = 2kV<br>**3K0** = 3kV | First digit is 0. Second and third digits are significant figures of capacitance code.<br>The fourth digit is number of zeros following<br>Example: **0101** = 100pF<br>**0332** = 3300pF | **M** = ±20% | **C** = C0G/NP0<br>**X** = X7R | **0** = Without<br>**1** = With |

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 pin length / custom body dimensions or threads / alternative voltage rating / non-standard intermediate capacitance values / test requirements.
Please refer specific requests to the factory.

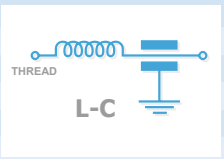
# SFJNL




**M6 x 0.75 - 6g Thread**
**9.8mm Round Head**

## Electrical Details

| | |
|---|---|
| Electrical Configuration | L-C Filter |
| Capacitance Measurement | @ 1000hr Point |
| Current Rating | 15A |
| Insulation Resistance (IR) | 10GΩ or 1000ΩF |
| Temperature Rating | -55ºC to +125ºC |
| Ferrite Inductance (Typical) | 500nH |




## Mechanical Details

| | |
|---|---|
| Head Diameter | 9.8mm *(0.386")* |
| Nut A/F | 8.0mm *(0.315")* |
| Washer Diameter | 11.35mm *(0.447")* |
| Mounting Torque | 0.9Nm *(7.97lbf in)* max. |
| Mounting Hole Diameter | 6.2mm *(0.244")* O.D.<br>5.3mm *(0.208")* A/F |
| Max. Panel Thickness | 2.9mm *(0.114")* |
| Weight (Typical) | 3.0g *(0.11oz)* |
| Finish | Silver plate on copper undercoat |



| Product Code | Capacitance (±20%) | Dielectric | Rated Voltage (Vdc) | DWV (Vdc) | Typical No-Load Insertion Loss (dB) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 0.01MHz | 0.1MHz | 1MHz | 10MHz | 100MHz | 1GHz |
| SFJNL3K00101MC | 100pF | C0G/NP0 | 3kV# | 3.6kV | | | | | 7 | 24 |
| SFJNL3K00151MC | 150pF | | | | | | | | 10 | 27 |
| SFJNL3K00221MC | 220pF | | | | | | | | 12 | 30 |
| SFJNL2K00331MC | 330pF | | 2kV# | 2.4kV | | | | 1 | 16 | 34 |
| SFJNL2K00471MC | 470pF | | | | | | | 2 | 19 | 38 |
| SFJNL2K00681MC | 680pF | | | | | | | 3 | 22 | 41 |
| SFJNL2K00102MC | 1.0nF | | | | | | | 6 | 25 | 44 |
| SFJNL2K00152MX | 1.5nF | X7R | | | | | | 9 | 29 | 48 |
| SFJNL2K00222MX | 2.2nF | | | | | | | 12 | 31 | 51 |
| *SFJNL2K00332MX | 3.3nF | | | | | | | 15 | 35 | 54 |
| SFJNL2K00472MX | 4.7nF | | | | | | 1 | 18 | 39 | 57 |
| *SFJNL2K00682MX | 6.8nF | | | | | | 2 | 21 | 41 | 60 |
| *SFJNL2K00103MX | 10nF | | | | | | 4 | 23 | 43 | 63 |
| SFJNL1K00153MX | 15nF | | 1kV# | 1.2kV | | | 7 | 27 | 46 | 66 |
| SFJNL1K00223MX | 22nF | | | | | | 10 | 30 | 48 | 68 |
| *SFJNL1K00333MX | 33nF | | | | | | 13 | 34 | 50 | 70 |
| SFJNL1K00473MX | 47nF | | | | | 1 | 17 | 37 | 51 | >70 |
| *SFJNL1K00683MX | 68nF | | | | | 2 | 20 | 40 | 55 | >70 |
| SFJNL5000104MX | 100nF | | 500# | 750 | | 4 | 22 | 44 | 60 | >70 |
| *SFJNL5000154MX | 150nF | | | | | 7 | 25 | 47 | 62 | >70 |
| SFJNL5000224MX | 220nF | | | | | 10 | 29 | 49 | 66 | >70 |
| *SFJNL5000334MX | 330nF | | | | | 13 | 33 | 53 | 68 | >70 |
| SFJNL5000474MX | 470nF | | 500 | | 1 | 16 | 35 | 56 | 70 | >70 |
| SFJNL3000684MX | 680nF | | 300 | 600 | 2 | 19 | 38 | 58 | >70 | >70 |
| *SFJNL2000105MX | 1.0µF | | 200 | 500 | 4 | 22 | 41 | 61 | >70 | >70 |
| *SFJNL1000155MX | 1.5µF | | 100 | 250 | 7 | 25 | 45 | 64 | >70 | >70 |
| *SFJNL1000225MX | 2.2µF | | 100 | | 10 | 29 | 48 | 66 | >70 | >70 |
| SFJNL0500335MX | 3.3µF | | 50 | 125 | 14 | 34 | 52 | 70 | >70 | >70 |

# Also rated for operation at 115Vac 400Hz. Self-heating will occur - evaluation in situ recommended. * Recommended values.

## Ordering Information - SFJNL range

| SF | J | N | L | 050 | 0335 | M | X | 1 |
|---|---|---|---|---|---|---|---|---|
| **Type** | **Case style** | **Thread** | **Electrical configuration** | **Voltage (dc)** | **Capacitance in picofarads (pF)** | **Tolerance** | **Dielectric** | **Nuts & Washers** |
| Syfer Filter | 9.8mm dia. | M6 | **L** = L-C Filter | **050** = 50V<br>**100** = 100V<br>**200** = 200V<br>**300** = 300V<br>**500** = 500V<br>**1K0** = 1kV<br>**2K0** = 2kV<br>**3K0** = 3kV | First digit is 0. Second and third digits are significant figures of capacitance code.<br>The fourth digit is number of zeros following<br>Example: **0101** = 100pF<br>**0332** = 3300pF | **M** = ±20% | **C** = C0G/NP0<br>**X** = X7R | **0** = Without<br>**1** = With |

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