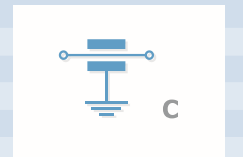




Electrical Details

| | |
|------------------------------|-----------------|
| 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

| | |
|------------------------|----------------------------------|
| Head (A/F) | 4mm (0.157") |
| Nut A/F | Not Applicable |
| Washer diameter | Not Applicable |
| Mounting Torque | Not Applicable |
| Mounting Hole Diameter | 4-40 UNC Class 2B tapped hole |
| Max. Panel Thickness | Not Applicable |
| Weight (Typical) | 0.5g (0.017oz) |
| 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 |
| *SFAAC5000100ZC | 10pF -20% / +80% | COG/NP0 | 500# | 750 | - | - | - | - | - | 4 |
| SFAAC5000150ZC | 15pF -20% / +80% | | | | - | - | - | - | - | 7 |
| SFAAC5000220ZC | 22pF -20% / +80% | | | | - | - | - | - | - | 10 |
| SFAAC5000330ZC | 33pF -20% / +80% | | | | - | - | - | - | - | 12 |
| *SFAAC5000470ZC | 47pF -20% / +80% | | | | - | - | - | - | 1 | 15 |
| *SFAAC5000680MC | 68pF | | | | - | - | - | - | 2 | 18 |
| *SFAAC5000101MC | 100pF | | | | - | - | - | - | 4 | 22 |
| SFAAC5000151MC | 150pF | | | | - | - | - | - | 7 | 25 |
| *SFAAC5000221MC | 220pF | | | | - | - | - | - | 10 | 29 |
| *SFAAC5000331MC | 330pF | | | | - | - | - | - | 13 | 33 |
| *SFAAC5000471MX | 470pF | †X7R | 500# | 750 | - | - | - | 1 | 16 | 35 |
| SFAAC5000681MX | 680pF | | | | - | - | - | 2 | 19 | 36 |
| *SFAAC5000102MX | 1.0nF | X7R | 200 | 500 | - | - | - | 4 | 23 | 41 |
| SFAAC5000152MX | 1.5nF | | | | - | - | - | 7 | 26 | 45 |
| *SFAAC5000222MX | 2.2nF | | | | - | - | - | 10 | 30 | 50 |
| SFAAC5000332MX | 3.3nF | | | | - | - | - | 13 | 33 | 52 |
| *SFAAC5000472MX | 4.7nF | | | | - | - | 1 | 16 | 36 | 55 |
| *SFAAC5000682MX | 6.8nF | | | | - | - | 2 | 19 | 39 | 57 |
| *SFAAC5000103MX | 10nF | | | | - | - | 4 | 22 | 41 | 60 |
| *SFAAC5000153MX | 15nF | | | | - | - | 7 | 25 | 44 | 62 |
| *SFAAC5000223MX | 22nF | | | | - | - | 10 | 29 | 46 | 65 |
| SFAAC5000333MX | 33nF | | | | - | - | 13 | 33 | 48 | 68 |
| *SFAAC2000473MX | 47nF | | 100 | 250 | - | 4 | 22 | 41 | 57 | >70 |
| SFAAC2000683MX | 68nF | | 50 | 125 | - | 7 | 25 | 45 | 60 | >70 |
| *SFAAC1000104MX | 100nF | | | | | | | | | |
| *SFAAC0500154MX | 150nF | | | | | | | | | |

Also rated for operation at 115Vac 400Hz. Self heating will occur - evaluation in situ recommended. * Recommended values. † Also available in COG/NP0.

Ordering Information - SFAAC range

| SF | A | A | C | 500 | 0333 | M | X | O |
|--------------|----------------|----------|--------------------------|---|--|---------------------------------------|--------------------------------------|--------------------|
| Type | Case style | Thread | Electrical configuration | Voltage (dc) | Capacitance in picofarads (pF) | Tolerance | Dielectric | Hardware |
| Syfer Filter | 4.0mm Hex Head | 4-40 UNC | C = C Filter | 050 = 50V 100 = 100V 200 = 200V 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 | 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.