



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 | 6.35mm (0.250") |
| Nut A/F | N/A. For use in tapped hole |
| Washer Diameter | N/A |
| Mounting Torque | 0.3Nm (2.65lbf in) max. |
| Mounting Hole | M5 x 0.8 - 6h |
| Max. Panel Thickness | N/A |
| Weight (Typical) | 1.2g (0.04oz) |
| 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 | | | |
| *SFTMC5000100ZC | 10pF -20% / +80% | COG/NP0 | 500# | 750 | | | | | | 4 | | | |
| SFTMC5000150ZC | 15pF -20% / +80% | | | | | | | | | | | 7 | |
| *SFTMC5000220ZC | 22pF -20% / +80% | | | | | | | | | | | 10 | |
| *SFTMC5000330ZC | 33pF -20% / +80% | | | | | | | | | | | 12 | |
| *SFTMC5000470ZC | 47pF -20% / +80% | | | | | | | | | | 1 | 15 | |
| SFTMC5000680MC | 68pF | | | | | | | | | | 2 | 18 | |
| *SFTMC5000101MC | 100pF | | | | | | | | | | 4 | 22 | |
| *SFTMC5000151MC | 150pF | | | | | | | | | | 7 | 25 | |
| *SFTMC5000221MX | 220pF | | | | | | | | | | 10 | 29 | |
| SFTMC5000331MX | 330pF | | | | | | | | | | 13 | 33 | |
| *SFTMC5000471MX | 470pF | | | | +X7R | | | | | 1 | 16 | 35 | |
| SFTMC5000681MX | 680pF | | | | | | | | | 2 | 19 | 39 | |
| *SFTMC5000102MX | 1.0nF | X7R | 200 | 500 | | | | 4 | 23 | 41 | | | |
| SFTMC5000152MX | 1.5nF | | | | | | | | | 7 | 26 | 45 | |
| *SFTMC5000222MX | 2.2nF | | | | | | | | | 10 | 30 | 50 | |
| SFTMC5000332MX | 3.3nF | | | | | | | | | 13 | 33 | 52 | |
| *SFTMC5000472MX | 4.7nF | | | | | | | | | 1 | 16 | 36 | 55 |
| *SFTMC5000682MX | 6.8nF | | | | | | | | | 2 | 19 | 39 | 57 |
| *SFTMC5000103MX | 10nF | | | | | | | | | 4 | 22 | 41 | 60 |
| SFTMC5000153MX | 15nF | | | | | | | | | 7 | 25 | 44 | 62 |
| *SFTMC5000223MX | 22nF | | | | | | | | | 10 | 29 | 46 | 65 |
| SFTMC5000333MX | 33nF | | | | | | | | | 13 | 33 | 48 | 68 |
| *SFTMC2000473MX | 47nF | | | | | | | | 1 | 16 | 35 | 50 | 70 |
| *SFTMC2000683MX | 68nF | | | | | | | | 2 | 19 | 39 | 54 | >70 |
| *SFTMC1000104MX | 100nF | | | | | 4 | 22 | 41 | 57 | >70 | | | |
| *SFTMC0500154MX | 150nF | | | | | 7 | 25 | 45 | 60 | >70 | | | |

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

Ordering Information - SFTMC range

| SF | T | M | C | 500 | 0101 | M | C | 0 |
|--------------|------------------------------|--------|--------------------------|---|--|---------------------------------------|--------------------------------------|--------------------|
| Type | Case style | Thread | Electrical configuration | Voltage (dc) | Capacitance in picofarads (pF) | Tolerance | Dielectric | Nuts & Washers |
| Syfer Filter | 6.35mm Hex. Head Low Profile | M5 | 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.

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