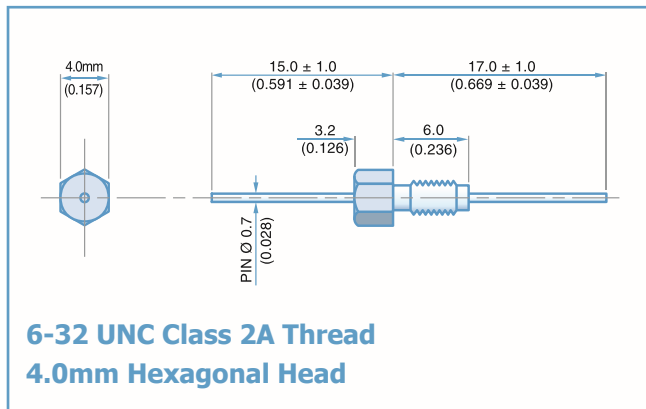
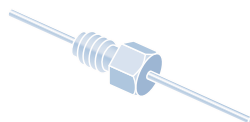


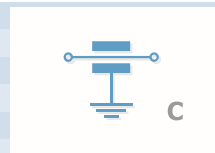


**THE DATASHEET OF
SFABC5000102MX0**





| 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 | 4.75mm (0.187") |
| Washer diameter | 6.9mm (0.272") |
| Mounting Torque | 0.3Nm (2.65lbf in) max. if using nut 0.15Nm (1.32lbf in) max. into tapped hole |
| Mounting Hole Diameter | 3.7mm ±0.1 (0.146" ±0.004") |
| Max. Panel Thickness | 3.2mm (0.126") |
| Weight (Typical) | 0.6g (0.02oz) |
| Finish | Silver plate on copper undercoat |



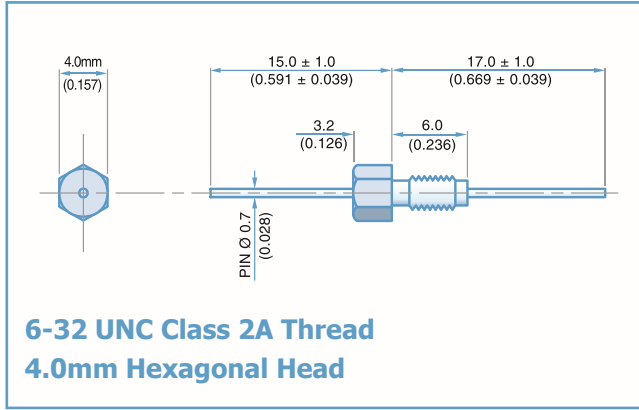
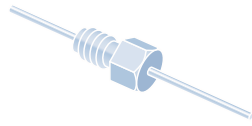
| Product Code | Capacitance (±20%) UOS | Dielectric | Rated Voltage (Vdc) | DWV (Vdc) | Typical No-Load Insertion Loss (dB) | | | | | |
|-----------------|------------------------|------------|---------------------|-----------|-------------------------------------|--------|------|-------|--------|------|
| | | | | | 0.01MHz | 0.1MHz | 1MHz | 10MHz | 100MHz | 1GHz |
| *SFABC5000100ZC | 10pF -20% / +80% | COG/NPO | 500# | 750 | - | - | - | - | - | 4 |
| SFABC5000150ZC | 15pF -20% / +80% | | | | - | - | - | - | - | 7 |
| SFABC5000220ZC | 22pF -20% / +80% | | | | - | - | - | - | - | 10 |
| SFABC5000330ZC | 33pF -20% / +80% | | | | - | - | - | - | - | 12 |
| *SFABC5000470ZC | 47pF -20% / +80% | | | | - | - | - | - | 1 | 15 |
| *SFABC5000680MC | 68pF | | | | - | - | - | - | 2 | 18 |
| *SFABC5000101MC | 100pF | | | | - | - | - | - | 4 | 22 |
| SFABC5000151MC | 150pF | | | | - | - | - | - | 7 | 25 |
| *SFABC5000221MC | 220pF | | | | - | - | - | - | 10 | 29 |
| *SFABC5000331MC | 330pF | | | | - | - | - | - | 13 | 33 |
| *SFABC5000471MX | 470pF | †X7R | 500# | 750 | - | - | - | 1 | 16 | 35 |
| SFABC5000681MX | 680pF | - | | | - | - | 2 | 19 | 36 | |
| *SFABC5000102MX | 1.0nF | X7R | | | - | - | - | 4 | 23 | 41 |
| SFABC5000152MX | 1.5nF | | | | - | - | - | 7 | 26 | 45 |
| *SFABC5000222MX | 2.2nF | | | | - | - | - | 10 | 30 | 50 |
| SFABC5000332MX | 3.3nF | | | | - | - | - | 13 | 33 | 52 |
| *SFABC5000472MX | 4.7nF | | | | - | - | 1 | 16 | 36 | 55 |
| SFABC5000682MX | 6.8nF | | | | - | - | 2 | 19 | 39 | 57 |
| *SFABC5000103MX | 10nF | | | | - | - | 4 | 22 | 41 | 60 |
| *SFABC5000153MX | 15nF | | | | - | - | 7 | 25 | 44 | 62 |
| *SFABC5000223MX | 22nF | | - | - | 10 | 29 | 46 | 65 | | |
| SFABC5000333MX | 33nF | | - | - | 13 | 33 | 48 | 68 | | |
| *SFABC2000473MX | 47nF | | 200 | 500 | - | 1 | 16 | 35 | 50 | 70 |
| SFABC2000683MX | 68nF | | - | 2 | 19 | 39 | 54 | >70 | | |
| *SFABC2000104MX | 100nF | | 100 | 250 | - | 4 | 22 | 41 | 57 | >70 |
| *SFABC0500154MX | 150nF | | 50 | 125 | - | 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/NPO.

Ordering Information - SFABC range

| SF | A | B | C | 500 | 0102 | M | X | 0 |
|--------------|----------------|----------|--------------------------|---|---|-------------------------|------------------------|-------------------------|
| Type | Case style | Thread | Electrical configuration | Voltage (dc) | Capacitance in picofarads (pF) | Tolerance | Dielectric | Hardware |
| Syfer Filter | 4.0mm Hex Head | 6-32 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/NPO X = X7R | 0 = Without 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 finish / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.



Electrical Details

| | |
|------------------------------|-----------------|
| Electrical Configuration | L-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) | 50nH |



Mechanical Details

| | |
|------------------------|---|
| Head (A/F) | 4.0mm (0.157") |
| Nut A/F | 4.75mm (0.187") |
| Washer diameter | 6.9mm (0.272") |
| Mounting Torque | 0.3Nm (2.65lbf in) max. if using nut 0.15Nm (1.32lbf in) max. into tapped hole |
| Mounting Hole Diameter | 3.7mm ±0.1 (0.146" ±0.004") |
| Max. Panel Thickness | 3.2mm (0.126") |
| Weight (Typical) | 0.6g (0.02oz) |
| 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 |
| *SFABL5000100ZC | 10pF -20% / +80% | COG/NP0 | 500# | 750 | - | - | - | - | - | 6 |
| SFABL5000150ZC | 15pF -20% / +80% | | | | - | - | - | - | - | 9 |
| SFABL5000220ZC | 22pF -20% / +80% | | | | - | - | - | - | - | 12 |
| SFABL5000330ZC | 33pF -20% / +80% | | | | - | - | - | 1 | 15 | |
| *SFABL5000470ZC | 47pF -20% / +80% | | | | - | - | - | 2 | 19 | |
| *SFABL5000680MC | 68pF | | | | - | - | - | 4 | 20 | |
| *SFABL5000101MC | 100pF | | | | - | - | - | 7 | 24 | |
| SFABL5000151MC | 150pF | | | | - | - | - | 10 | 27 | |
| *SFABL5000221MC | 220pF | | | | - | - | - | 12 | 30 | |
| *SFABL5000331MC | 330pF | | | | - | - | - | 1 | 16 | 34 |
| *SFABL5000471MX | 470pF | †X7R | 500# | 750 | - | - | - | 2 | 19 | 38 |
| SFABL5000681MX | 680pF | | | | - | - | - | 3 | 22 | 41 |
| *SFABL5000102MX | 1.0nF | X7R | 200 | 500 | - | - | - | 6 | 25 | 44 |
| SFABL5000152MX | 1.5nF | | | | - | - | - | 9 | 29 | 48 |
| *SFABL5000222MX | 2.2nF | | | | - | - | - | 12 | 31 | 51 |
| SFABL5000332MX | 3.3nF | | | | - | - | - | 15 | 35 | 54 |
| *SFABL5000472MX | 4.7nF | | | | - | - | 1 | 18 | 39 | 57 |
| SFABL5000682MX | 6.8nF | | | | - | - | 2 | 21 | 41 | 60 |
| *SFABL5000103MX | 10nF | | | | - | - | 4 | 23 | 43 | 63 |
| *SFABL5000153MX | 15nF | | | | - | - | 7 | 27 | 46 | 66 |
| *SFABL5000223MX | 22nF | | | | - | - | 10 | 30 | 48 | 68 |
| SFABL5000333MX | 33nF | | | | - | - | 13 | 34 | 50 | 70 |
| *SFABL2000473MX | 47nF | 100 | 100 | 250 | - | 1 | 17 | 37 | 51 | >70 |
| SFABL2000683MX | 68nF | | | | - | 2 | 20 | 40 | 55 | >70 |
| *SFABL1000104MX | 100nF | | | | - | 4 | 22 | 44 | 60 | >70 |
| *SFABL0500154MX | 150nF | 50 | 50 | 125 | - | 7 | 25 | 47 | 62 | >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- SFABL range

| SF | A | B | L | 500 | 0333 | M | X | 0 |
|--------------|----------------|----------|--------------------------|---|---|---------------------------------------|--------------------------------------|---------------------------------------|
| Type | Case style | Thread | Electrical configuration | Voltage (dc) | Capacitance in picofarads (pF) | Tolerance | Dielectric | Hardware |
| Syfer Filter | 4.0mm Hex Head | 6-32 UNC | L = L-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 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 finish / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.

Looking for pricing, stock, or lifecycle information?

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