



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



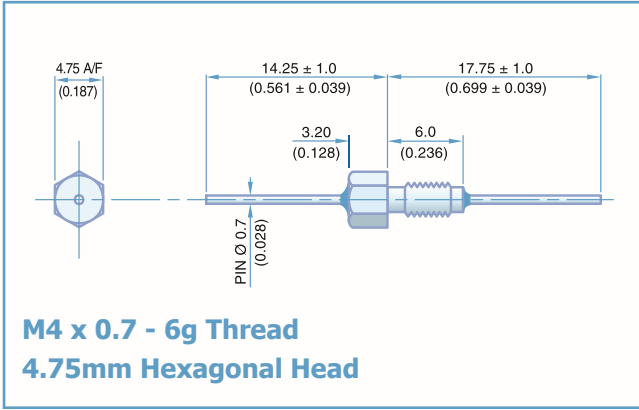
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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) | N/A | |

Mechanical Details

| | |
|------------------------|---|
| Head (A/F) | 4.75mm (0.187") |
| Nut A/F | 6.35mm (0.250") |
| Washer diameter | 8mm (0.315") |
| Mounting Torque | 0.5Nm (4.42bf in) max. if using nut 0.25Nm (2.41bf in) max. into tapped hole |
| Mounting Hole Diameter | 4.2mm ±0.1 (0.165" ±0.004") |
| Max. Panel Thickness | 2.9mm (0.114") |
| Weight (Typical) | 1.2g (0.04oz) |
| Finish | Silver plate on copper undercoat |

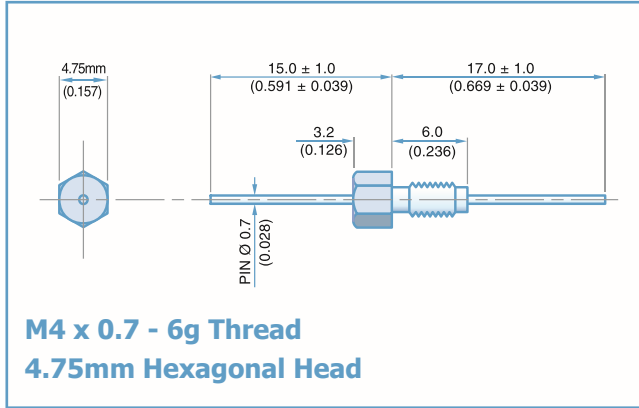
| Product Code | Capacitance (±20%) UOS | Dielectric | Rated Voltage (Vdc) | DWV (Vdc) | Typical No-Load Insertion Loss (dB) | | | | | | | | |
|-----------------|------------------------|------------|---------------------|-----------|-------------------------------------|--------|------|-------|--------|------|---|----|----|
| | | | | | 0.01MHz | 0.1MHz | 1MHz | 10MHz | 100MHz | 1GHz | | | |
| *SFBLC5000100ZC | 10pF -20% / +80% | COG/NPO | 500# | 750 | - | - | - | - | - | 4 | | | |
| SFBLC5000150ZC | 15pF -20% / +80% | | | | - | - | - | - | - | 7 | | | |
| SFBLC5000220ZC | 22pF -20% / +80% | | | | - | - | - | - | - | 10 | | | |
| SFBLC5000330ZC | 33pF -20% / +80% | | | | - | - | - | - | - | 12 | | | |
| *SFBLC5000470ZC | 47pF -20% / +80% | | | | - | - | - | - | 1 | 15 | | | |
| *SFBLC5000680MC | 68pF | | | | - | - | - | - | 2 | 18 | | | |
| *SFBLC5000101MC | 100pF | | | | - | - | - | - | 4 | 22 | | | |
| SFBLC5000151MC | 150pF | | | | - | - | - | - | 7 | 25 | | | |
| *SFBLC5000221MC | 220pF | | | | - | - | - | - | 10 | 29 | | | |
| *SFBLC5000331MC | 330pF | | | | - | - | - | - | 13 | 33 | | | |
| *SFBLC5000471MX | 470pF | | | | †X7R | 500# | 750 | - | - | - | 1 | 16 | 35 |
| SFBLC5000681MX | 680pF | | | | | | | - | - | - | 2 | 19 | 36 |
| *SFBLC5000102MX | 1.0nF | | | | X7R | 200 | 500 | - | - | - | 4 | 23 | 41 |
| SFBLC5000152MX | 1.5nF | | | | | | | - | - | - | 7 | 26 | 45 |
| *SFBLC5000222MX | 2.2nF | - | - | - | | | | 10 | 30 | 50 | | | |
| SFBLC5000332MX | 3.3nF | - | - | - | | | | 13 | 33 | 52 | | | |
| *SFBLC5000472MX | 4.7nF | - | - | 1 | | | | 16 | 36 | 55 | | | |
| SFBLC5000682MX | 6.8nF | - | - | 2 | | | | 19 | 39 | 57 | | | |
| *SFBLC5000103MX | 10nF | - | - | 4 | | | | 22 | 41 | 60 | | | |
| *SFBLC5000153MX | 15nF | - | - | 7 | | | | 25 | 44 | 62 | | | |
| *SFBLC5000223MX | 22nF | - | - | 10 | | | | 29 | 46 | 65 | | | |
| SFBLC5000333MX | 33nF | - | - | 13 | | | | 33 | 48 | 68 | | | |
| *SFBLC2000473MX | 47nF | - | 1 | 16 | | | | 35 | 50 | 70 | | | |
| SFBLC2000683MX | 68nF | - | 2 | 19 | | | | 39 | 54 | >70 | | | |
| *SFBLC1000104MX | 100nF | - | 4 | 22 | | | | 41 | 57 | >70 | | | |
| *SFBLC0500154MX | 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/NPO.

Ordering Information - SFBLC range

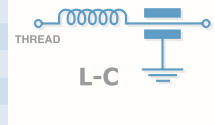
| SF | B | L | C | 500 | 0102 | M | X | 0 |
|--------------|-----------------|--------|--------------------------|---|--|---------------------------------------|--------------------------------------|---------------------------------------|
| Type | Case style | Thread | Electrical configuration | Voltage (dc) | Capacitance in picofarads (pF) | Tolerance | Dielectric | Hardware |
| Syfer Filter | 4.75mm Hex Head | M4 | 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

| | |
|------------------------|---|
| Body Flange Diameter | 4.75mm (0.187") |
| Head (A/F) | 6.0mm (0.236") |
| Nut A/F | 8.0mm (0.315") |
| Mounting Torque | 0.5Nm (4.42lbf in) max. if using nut 0.25Nm (2.21lbf in) max. into tapped hole |
| Mounting Hole Diameter | 4.2mm ±0.1 (0.165" ±0.004") |
| Max. Panel Thickness | 2.9mm (0.114") |
| Weight (Typical) | 1.2g (0.04oz) |
| Finish | Silver plate on copper undercoat |

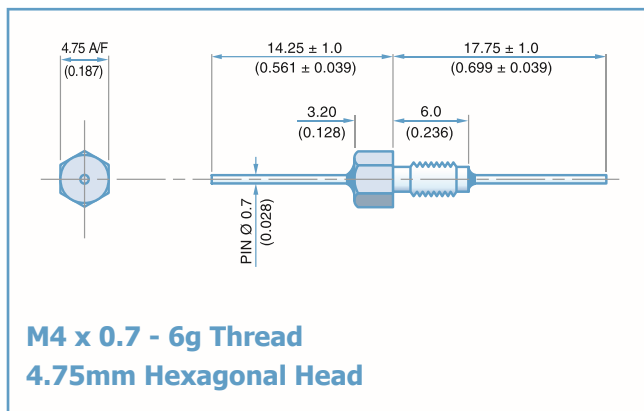
| Product Code | Capacitance (±20%) UOS | Dielectric | Rated Voltage (Vdc) | DWV (Vdc) | Typical No-Load Insertion Loss (dB) | | | | | |
|-----------------|------------------------|------------|---------------------|-----------|-------------------------------------|--------|------|-------|--------|------|
| | | | | | 0.01MHz | 0.1MHz | 1MHz | 10MHz | 100MHz | 1GHz |
| *SFBLL5000100ZC | 10pF -20% / +80% | COG/NP0 | 500# | 750 | - | - | - | - | - | 6 |
| SFBLL5000150ZC | 15pF -20% / +80% | | | | - | - | - | - | - | 9 |
| SFBLL5000220ZC | 22pF -20% / +80% | | | | - | - | - | - | - | 12 |
| SFBLL5000330ZC | 33pF -20% / +80% | | | | - | - | - | - | 1 | 15 |
| *SFBLL5000470ZC | 47pF -20% / +80% | | | | - | - | - | - | 2 | 19 |
| *SFBLL5000680MC | 68pF | | | | - | - | - | - | 4 | 20 |
| *SFBLL5000101MC | 100pF | | | | - | - | - | - | 7 | 24 |
| SFBLL5000151MC | 150pF | | | | - | - | - | - | 10 | 27 |
| *SFBLL5000221MC | 220pF | | | | - | - | - | - | 12 | 30 |
| *SFBLL5000331MC | 330pF | | | | - | - | - | 1 | 16 | 34 |
| *SFBLL5000471MX | 470pF | †X7R | 500# | 750 | - | - | - | 2 | 19 | 38 |
| SFBLL5000681MX | 680pF | | | | - | - | - | 3 | 22 | 41 |
| *SFBLL5000102MX | 1.0nF | X7R | 200 | 500 | - | - | - | 6 | 25 | 44 |
| SFBLL5000152MX | 1.5nF | | | | - | - | - | 9 | 29 | 48 |
| *SFBLL5000222MX | 2.2nF | | | | - | - | - | 12 | 31 | 51 |
| SFBLL5000332MX | 3.3nF | | | | - | - | - | 15 | 35 | 54 |
| *SFBLL5000472MX | 4.7nF | | | | - | - | 1 | 18 | 39 | 57 |
| SFBLL5000682MX | 6.8nF | | | | - | - | 2 | 21 | 41 | 60 |
| *SFBLL5000103MX | 10nF | | | | - | - | 4 | 23 | 43 | 63 |
| *SFBLL5000153MX | 15nF | | | | - | - | 7 | 27 | 46 | 66 |
| *SFBLL5000223MX | 22nF | | | | - | - | 10 | 30 | 48 | 68 |
| SFBLL5000333MX | 33nF | | | | - | - | 13 | 34 | 50 | 70 |
| *SFBLL2000473MX | 47nF | | 100 | 250 | - | 4 | 22 | 44 | 60 | >70 |
| SFBLL2000683MX | 68nF | | 50 | 125 | - | 7 | 25 | 47 | 62 | >70 |
| *SFBLL1000104MX | 100nF | | | | | | | | | |
| *SFBLL0500154MX | 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 - SFBLL range

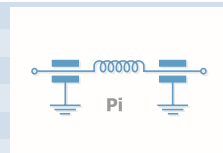
| SF | B | L | L | 500 | 0102 | M | X | 0 |
|--------------|-----------------|--------|--------------------------|---|--|---------------------------------------|--------------------------------------|---------------------------------------|
| Type | Case style | Thread | Electrical configuration | Voltage (dc) | Capacitance in picofarads (pF) | Tolerance | Dielectric | Nuts & Washers |
| Syfer Filter | 4.75mm Hex Head | M4 | 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.



Electrical Details

| | |
|------------------------------|-----------------|
| Electrical Configuration | Pi Filter |
| Capacitance Measurement | @ 1000hr Point |
| Current Rating | 10A |
| Insulation Resistance (IR) | 10GΩ or 1000ΩF |
| Temperature Rating | -55°C to +125°C |
| Ferrite Inductance (Typical) | 75nH |



Mechanical Details

| | |
|------------------------|---|
| Head (A/F) | 4.75mm (0.187") |
| Nut A/F | 6.0mm (0.236") |
| Washer diameter | 7.90mm (0.311") |
| Mounting Torque | 0.5Nm (4.42lbf in) max. if using nut 0.25Nm (2.21lbf in) max. into tapped hole |
| Mounting Hole Diameter | 4.2mm ±0.1 (0.165" ±0.004") |
| Max. Panel Thickness | 2.9mm (0.114") |
| Weight (Typical) | 1.2g (0.04oz) |
| Finish | Silver plate on copper undercoat |

| Product Code | Capacitance (-20%+80%) | Dielectric | Rated Voltage (Vdc) | DWV (Vdc) | Typical No-Load Insertion Loss (dB) | | | | | |
|-----------------|------------------------|------------|---------------------|-----------|-------------------------------------|--------|------|-------|--------|------|
| | | | | | 0.01MHz | 0.1MHz | 1MHz | 10MHz | 100MHz | 1GHz |
| *SFBLP5000200ZC | 20pF | COG/NPO | 500# | 750 | - | - | - | - | 1 | 11 |
| SFBLP5000440ZC | 44pF | | | | - | - | - | - | 3 | 19 |
| SFBLP5000940ZC | 94pF | | | | - | - | - | - | 6 | 25 |
| *SFBLP5000201ZC | 200pF | | | | - | - | - | - | 11 | 33 |
| SFBLP5000441ZC | 440pF | | | | - | - | - | 2 | 18 | 45 |
| SFBLP5000941ZX | 940pF | X7R | | | - | - | - | 5 | 25 | 60 |
| *SFBLP5000202ZX | 2nF | | | | - | - | - | 10 | 40 | 70 |
| SFBLP5000442ZX | 4.4nF | | | | - | - | 1 | 17 | 47 | >70 |
| *SFBLP5000942ZX | 9.4nF | | | | - | - | 4 | 24 | 60 | >70 |
| *SFBLP2000203ZX | 20nF | | | | 200 | 500 | - | - | 9 | 28 |
| *SFBLP1000443ZX | 44nF | 100 | 250 | - | 0 | 14 | 42 | >70 | >70 | |
| *SFBLP0500943ZX | 94nF | 50 | 125 | - | 2 | 18 | 57 | >70 | >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 - SFBLP range

| SF | B | L | P | 050 | 0943 | Z | X | 0 |
|--------------|-----------------|--------|--------------------------|---|---|-------------|------------------------|-------------------------|
| Type | Case style | Thread | Electrical configuration | Voltage (dc) | Capacitance in picofarads (pF) | Tolerance | Dielectric | Nuts & Washers |
| Syfer Filter | 4.75mm Hex Head | M4 | P = Pi 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: 0201 = 200pF 0943 = 94000pF | 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.