

| 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 Diameter | 4.4mm (0.173") |
| Nut A/F | N/a. For use in tapped hole |
| Washer Diameter | N/a |
| Mounting Torque | 0.18Nm (1.59lbf in) max. |
| Mounting Hole | M3.5 x 0.5 - 6h |
| Max. Panel Thickness | N/a |
| Weight (Typical) | 0.8g (0.03oz) |
| Finish | Silver plate on copper undercoat |

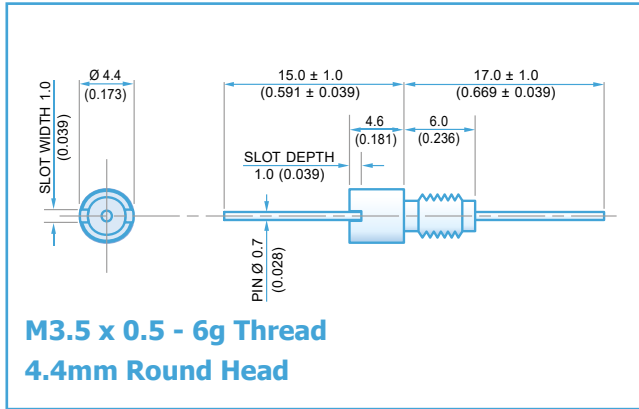
| Product Code | Capacitance (±20%) UOS | Dielectric | Rated Voltage (Vdc) | DWV (Vdc) | Typical No-Load Insertion Loss (dB) | | | | | | | | |
|-----------------|------------------------|------------|---------------------|-----------|-------------------------------------|--------|------|-------|--------|------|----|----|----|
| | | | | | 0.01MHz | 0.1MHz | 1MHz | 10MHz | 100MHz | 1GHz | | | |
| *SFKKC5000100ZC | 10pF -20% / +80% | COG/NPO | 500# | 750 | | | | | | 4 | | | |
| SFKKC5000150ZC | 15pF -20% / +80% | | | | | | | | | | 7 | | |
| SFKKC5000220ZC | 22pF -20% / +80% | | | | | | | | | | 10 | | |
| SFKKC5000330ZC | 33pF -20% / +80% | | | | | | | | | | 12 | | |
| *SFKKC5000470ZC | 47pF -20% / +80% | | | | | | | | | | 1 | 15 | |
| *SFKKC5000680MC | 68pF | | | | | | | | | | 2 | 18 | |
| *SFKKC5000101MC | 100pF | | | | | | | | | | 4 | 22 | |
| SFKKC5000151MC | 150pF | | | | | | | | | | 7 | 25 | |
| *SFKKC5000221MC | 220pF | | | | | | | | | | 10 | 29 | |
| *SFKKC5000331MC | 330pF | | | | | | | | | | 13 | 33 | |
| *SFKKC5000471MX | 470pF | †X7R | | | | | 1 | 16 | 35 | | | | |
| SFKKC5000681MX | 680pF | | | | | | 2 | 19 | 36 | | | | |
| *SFKKC5000102MX | 1.0nF | X7R | 200 | 500 | | | | 4 | 23 | 41 | | | |
| SFKKC5000152MX | 1.5nF | | | | | | | | 7 | 26 | 45 | | |
| *SFKKC5000222MX | 2.2nF | | | | | | | | | 10 | 30 | 50 | |
| SFKKC5000332MX | 3.3nF | | | | | | | | | 13 | 33 | 52 | |
| *SFKKC5000472MX | 4.7nF | | | | | | | | | 1 | 16 | 36 | 55 |
| SFKKC5000682MX | 6.8nF | | | | | | | | | 2 | 19 | 39 | 57 |
| *SFKKC5000103MX | 10nF | | | | | | | | | 4 | 22 | 41 | 60 |
| *SFKKC5000153MX | 15nF | | | | | | | | | 7 | 25 | 44 | 62 |
| *SFKKC5000223MX | 22nF | | | | | | | | | 10 | 29 | 46 | 65 |
| SFKKC5000333MX | 33nF | | | | | | | | | 13 | 33 | 48 | 68 |
| *SFKKC2000473MX | 47nF | | | | | 1 | 16 | 35 | 50 | 70 | | | |
| SFKKC2000683MX | 68nF | | | | | 2 | 19 | 39 | 54 | >70 | | | |
| *SFKKC1000104MX | 100nF | | 100 | 250 | | 4 | 22 | 41 | 57 | >70 | | | |
| *SFKKC0500154MX | 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 - SFKKC range

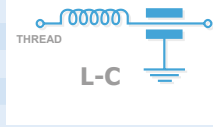
| SF | K | K | C | 500 | 0101 | M | C | 0 |
|--------------|------------|--------|--------------------------|---|--|---------------------------------------|--------------------------------------|--------------------|
| Type | Case style | Thread | Electrical configuration | Voltage (dc) | Capacitance in picofarads (pF) | Tolerance | Dielectric | Nuts & Washers |
| Syfer Filter | 4.4mm O.D. | M3.5 | 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 |

Note: Installation tool available on request
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 Diameter | 4.4mm (0.173") |
| Nut A/F | N/A. For use in tapped hole |
| Washer Diameter | N/A |
| Mounting Torque | 0.18Nm (1.59lbf in) max. |
| Mounting Hole | M3.5 x 0.6 - 6h |
| Max. Panel Thickness | N/ |
| Weight (Typical) | 0.8g (0.03oz) |
| 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 | | |
| *SFKKL5000100ZC | 10pF -20% / +80% | COG/NP0 | 500# | 750 | | | | | | 6 | | |
| SFKKL5000150ZC | 15pF -20% / +80% | | | | | | | | | | | 9 |
| SFKKL5000220ZC | 22pF -20% / +80% | | | | | | | | | | | 12 |
| SFKKL5000330ZC | 33pF -20% / +80% | | | | | | | | | | 1 | 15 |
| *SFKKL5000470ZC | 47pF -20% / +80% | | | | | | | | | | 2 | 19 |
| *SFKKL5000680MC | 68pF | | | | | | | | | | 4 | 20 |
| *SFKKL5000101MC | 100pF | | | | | | | | | | 7 | 24 |
| SFKKL5000151MC | 150pF | | | | | | | | | | 10 | 27 |
| *SFKKL5000221MC | 220pF | | | | | | | | | | 12 | 30 |
| *SFKKL5000331MC | 330pF | | | | | | | | | | 1 | 16 |
| *SFKKL5000471MX | 470pF | †X7R | 500# | 750 | | | | 2 | 19 | 38 | | |
| SFKKL5000681MX | 680pF | | | | | | 3 | 22 | 41 | | | |
| *SFKKL5000102MX | 1.0nF | X7R | 500# | 750 | | | | 6 | 25 | 44 | | |
| SFKKL5000152MX | 1.5nF | | | | | | 9 | 29 | 48 | | | |
| *SFKKL5000222MX | 2.2nF | | | | | | 12 | 31 | 51 | | | |
| SFKKL5000332MX | 3.3nF | | | | | | 15 | 35 | 54 | | | |
| *SFKKL5000472MX | 4.7nF | | | | | | | 1 | 18 | 39 | 57 | |
| SFKKL5000682MX | 6.8nF | | | | | | | 2 | 21 | 41 | 60 | |
| *SFKKL5000103MX | 10nF | | | | | | | 4 | 23 | 43 | 63 | |
| *SFKKL5000153MX | 15nF | | | | | | | 7 | 27 | 46 | 66 | |
| *SFKKL5000223MX | 22nF | | | | | | | 10 | 30 | 48 | 68 | |
| SFKKL5000333MX | 33nF | | | | | | | 13 | 34 | 50 | 70 | |
| *SFKKL2000473MX | 47nF | | 200 | 500 | 1 | 17 | 37 | 51 | >70 | | | |
| SFKKL2000683MX | 68nF | | | | 2 | 20 | 40 | 55 | >70 | | | |
| *SFKKL1000104MX | 100nF | | 100 | 250 | 4 | 22 | 44 | 60 | >70 | | | |
| *SFKKL0500154MX | 150nF | | 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.

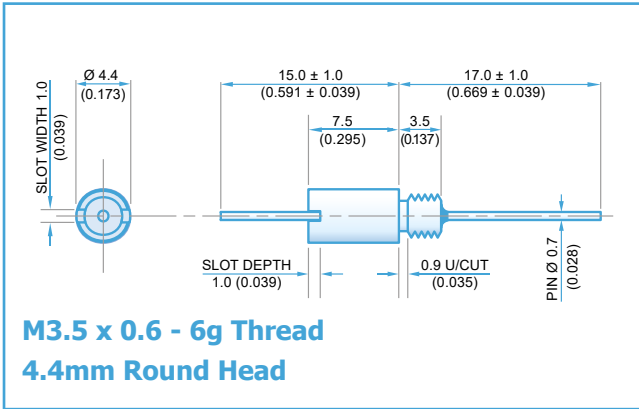
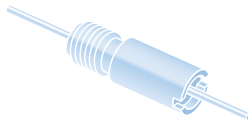
Ordering Information - SFKKL range

| SF | K | K | L | 500 | 0101 | M | C | O |
|--------------|------------|--------|--------------------------|---|---|---------------------------------------|--------------------------------------|--------------------|
| Type | Case style | Thread | Electrical configuration | Voltage (dc) | Capacitance in picofarads (pF) | Tolerance | Dielectric | Nuts & Washers |
| Syfer Filter | 4.4mm O.D. | M3.5 | 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 | O = Without |

Note: Installation tool available on request

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 | T Filter |
| Capacitance Measurement | @ 1000hr Point |
| Current Rating | 10A |
| Insulation Resistance (IR) | 10GΩ or 1000ΩF |
| Temperature Rating | -55°C to +125°C |
| Ferrite Inductance (Typical) | 100nH |
| Mechanical Details | |
| Head Diameter | 4.4mm (0.173") |
| Nut A/F | N/A. For use in tapped hole |
| Washer Diameter | N/A |
| Mounting Torque | 0.18Nm (1.59lbf in) max. |
| Mounting Hole | M3.5 x 0.5 - 6h |
| Max. Panel Thickness | N/A |
| Weight (Typical) | 0.8g (0.03oz) |
| 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 | | |
| *SFKKT5000100ZC | 10pF -20% / +80% | COG/NPO | 500# | 750 | | | | | | 9 | | |
| SFKKT5000150ZC | 15pF -20% / +80% | | | | | | | | | | | 11 |
| SFKKT5000220ZC | 22pF -20% / +80% | | | | | | | | | | 1 | 14 |
| SFKKT5000330ZC | 33pF -20% / +80% | | | | | | | | | | 2 | 18 |
| *SFKKT5000470ZC | 47pF -20% / +80% | | | | | | | | | | 4 | 20 |
| *SFKKT5000680MC | 68pF | | | | | | | | | | 6 | 23 |
| *SFKKT5000101MC | 100pF | | | | | | | | | | 9 | 27 |
| SFKKT5000151MC | 150pF | | | | | | | | | | 12 | 30 |
| *SFKKT5000221MC | 220pF | | | | | | | | | | 15 | 33 |
| *SFKKT5000331MC | 330pF | | | | | | | | | | | |
| *SFKKT5000471MX | 470pF | | | | †X7R | | | | | 1 | 19 | 36 |
| SFKKT5000681MX | 680pF | | | | | | | | | 2 | 21 | 40 |
| *SFKKT5000102MX | 1.0nF | X7R | 200 | 500 | | | | | | 43 | | |
| SFKKT5000152MX | 1.5nF | | | | | | | | | | | 47 |
| *SFKKT5000222MX | 2.2nF | | | | | | | | | | | 50 |
| SFKKT5000332MX | 3.3nF | | | | | | | | | | | 53 |
| *SFKKT5000472MX | 4.7nF | | | | | | | | | | | 57 |
| SFKKT5000682MX | 6.8nF | | | | | | | | | | | 59 |
| *SFKKT5000103MX | 10nF | | | | | | | | | | 1 | 23 |
| *SFKKT5000153MX | 15nF | | | | | | | | | | 4 | 26 |
| *SFKKT5000223MX | 22nF | | | | | | | | | | 7 | 29 |
| SFKKT5000333MX | 33nF | | | | | | | | | | 10 | 33 |
| *SFKKT2000473MX | 47nF | | | | | | | | | | 14 | 36 |
| SFKKT2000683MX | 68nF | | | | | | | | | | 17 | 38 |
| *SFKKT1000104MX | 100nF | | | | | | | | | | 19 | 40 |
| *SFKKT0500154MX | 150nF | | | | | | | | | | 23 | 43 |
| | | | | | | | | | | | 26 | 45 |
| | | | | | | | | | | | 29 | 47 |
| | | | | | | | | | | | 33 | 49 |
| | | | | | | | | | | | 36 | 50 |
| | | | | | | | | 39 | 52 | | | |
| | | | | | | | | 42 | 57 | | | |
| | | | | | | | | 46 | 62 | | | |
| | | | | | | | | 49 | 68 | | | |
| | | | | | | | | 52 | >70 | | | |
| | | | | | | | | 57 | >70 | | | |
| | | | | | | | | 62 | >70 | | | |
| | | | | | | | | 68 | >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 - SFKKT range

| SF | K | K | T | 500 | 0101 | M | C | 0 |
|--------------|------------|--------|--------------------------|---|--|-------------------------|------------------------|----------------|
| Type | Case style | Thread | Electrical configuration | Voltage (dc) | Capacitance in picofarads (pF) | Tolerance | Dielectric | Nuts & Washers |
| Syfer Filter | 4.4mm O.D. | M3.5 | T = T 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 |

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. * Mounting tool available.