

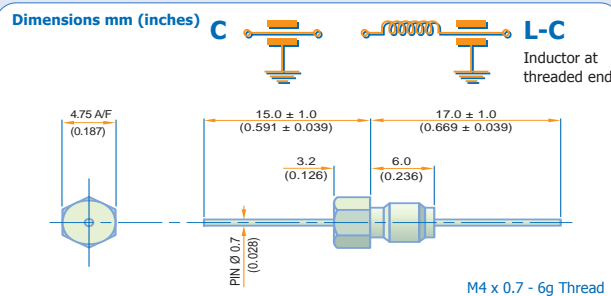
# Feedthrough EMI Filters

## M4 Thread

4.75mm Hexagonal Head

### SFBL

Type No. (* = Preferred Value)	Capacitance (Z= -20%+80%) (M= +/-20%)	Dielectric Code	Rated Voltage (Vd.c.)	DWV (Vd.c.)
* SFBL#1 5000100ZC#2	10pF	COG	500	750
SFBL#1 5000150ZC#2	15pF	COG	500	750
SFBL#1 5000220ZC#2	22pF	COG	500	750
SFBL#1 5000330ZC#2	33pF	COG	500	750
* SFBL#1 5000470ZC#2	47pF	COG	500	750
* SFBL#1 5000680MC#2	68pF	COG	500	750
* SFBL#1 5000101MC#2	100pF	COG	500	750
SFBL#1 5000151MC#2	150pF	COG	500	750
* SFBL#1 5000221MC#2	220pF	COG	500	750
* SFBL#1 5000331MC#2	330pF	COG	500	750
* SFBL#1 5000471MX#2	470pF	X7R	500	750
SFBL#1 5000681MX#2	680pF	X7R	500	750
* SFBL#1 5000102MX#2	1nF	X7R	500	750
SFBL#1 5000152MX#2	1.5nF	X7R	500	750
* SFBL#1 5000222MX#2	2.2nF	X7R	500	750
SFBL#1 5000332MX#2	3.3nF	X7R	500	750
* SFBL#1 5000472MX#2	4.7nF	X7R	500	750
SFBL#1 5000682MX#2	6.8nF	X7R	500	750
* SFBL#1 2000103MX#2	10nF	X7R	200	500
* SFBL#1 2000153MX#2	15nF	X7R	200	500
* SFBL#1 1000223MX#2	22nF	X7R	100	250
SFBL#1 0500333MX#2	33nF	X7R	50	125
* SFBL#1 0500473MX#2	47nF	X7R	50	125



#### Electrical details

<b>Electrical Configuration</b>	C or L-C Filters
<b>Capacitance Measurement</b>	At 1000hr point
<b>Current Rating</b>	10A
<b>Temperature Rating</b>	-55°C to 125°C
<b>Ferrite Inductance, typical</b>	0.5µH L-C type

#### Mechanical details

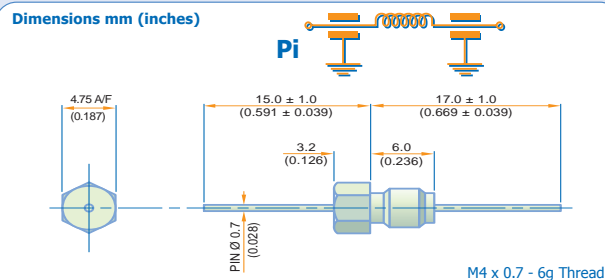
<b>Nut A/F</b>	6mm (0.236")
<b>Head A/F</b>	4.75mm (3/16")
<b>Washer Diameter</b>	8mm (0.315")
<b>Mounting Torque</b>	0.5 Nm (5.6 lbf in) max. If using nut 0.25 Nm (2.8 lbf in) max. Into tapped hole
<b>Mounting Hole Diameter</b>	4.2mm ± 0.1 (0.165" ± 0.004")
<b>Max Panel Thickness</b>	2.9mm (0.114")
<b>Weight</b>	1.2g typical (0.04oz)
<b>Finish</b>	Silver plate on copper undercoat

## M4 Thread

4.75mm Hexagonal Head

### SFBLP

Type No.	Capacitance (Z= -20%+80%)	Dielectric Code	Rated Voltage (Vd.c.)	DWV (Vd.c.)
SFBLP 5000200ZC#2	20pF	COG	500	750
SFBLP 5000440ZC#2	44pF	COG	500	750
SFBLP 5000940ZC#2	94pF	COG	500	750
SFBLP 2000201ZC#2	200pF	COG	200	500
SFBLP 1000441ZC#2	440pF	COG	100	250
SFBLP 5000941ZX#2	940pF	X7R	500	750
SFBLP 5000202ZX#2	2nF	X7R	500	750
SFBLP 5000442ZX#2	4.4nF	X7R	500	750
SFBLP 2000942ZX#2	9.4nF	X7R	200	500
SFBLP 0500203ZX#2	20nF	X7R	50	125



#### Electrical details

<b>Electrical Configuration</b>	Pi Filters
<b>Capacitance Measurement</b>	At 1000hr point
<b>Current Rating</b>	10A
<b>Temperature Rating</b>	-55°C to 125°C
<b>Ferrite Inductance, typical</b>	0.5µH

#### Mechanical details

<b>Nut A/F</b>	6.00mm (0.236")
<b>Head A/F</b>	4.75mm (3/16")
<b>Washer Diameter</b>	8mm (0.315")
<b>Mounting Torque</b>	0.5 Nm (5.6 lbf in) max. If using nut 0.25 Nm (2.8 lbf in) max. Into tapped hole
<b>Mounting Hole Diameter</b>	4.2mm ± 0.1 (0.165" ± 0.004")
<b>Max Panel Thickness</b>	2.9mm (0.114")
<b>Weight</b>	1.2g typical (0.04oz)
<b>Finish</b>	Silver plate on copper undercoat

#### notes

- #1. For C Filter insert "C", for L-C Filter insert "L".
- #2. For nuts and washers insert "1". For none insert "0".

