

# Feedthrough EMI Filters

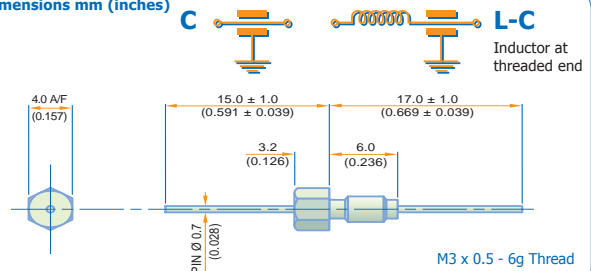
## M3 Thread

### 4.0mm Hexagonal Head

## SFAJ

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

Dimensions mm (inches)



### Electrical details

**Electrical Configuration**  
**Capacitance Measurement**  
**Current Rating**  
**Temperature Rating**  
**Ferrite Inductance, typical**

C or L-C Filters  
 At 1000hr point  
 10A  
 -55°C to 125°C  
 0.5µH L-C type

### Mechanical details

**Nut A/F**  
**Head A/F**  
**Washer Diameter**  
**Mounting Torque**

4mm (5/32")  
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 6.9mm (0.272")  
 0.25 Nm (2.6 lbf in) max. If using nut  
 0.15 Nm (1.7 lbf in) max. Into tapped hole  
 3.15mm ± 0.1 (0.124" ± 0.004")  
 3.2mm (0.126")  
 0.5g typical (0.017oz)  
 Silver plate on copper undercoat

**Mounting Hole Diameter**  
**Max Panel Thickness**  
**Weight**  
**Finish**



notes

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

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