

Feedthrough EMI Filters

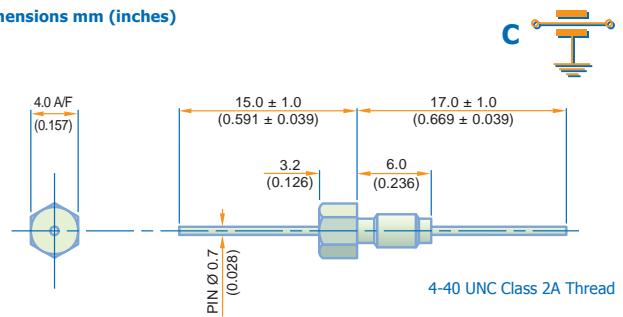
4-40 UNC Thread

4.0mm Hexagonal Head

SFAA

Type No. (* = Preferred Value)	Capacitance (Z= -20%+80%) (M= +/-20%)	Dielectric Code	Rated Voltage (Vd.c.)	DWV (Vd.c.)
* SFAAC 5000100ZC0	10pF	C0G	500	750
SFAAC 5000150ZC0	15pF	C0G	500	750
SFAAC 5000220ZC0	22pF	C0G	500	750
SFAAC 5000330ZC0	33pF	C0G	500	750
* SFAAC 5000470ZC0	47pF	C0G	500	750
* SFAAC 5000680MC0	68pF	C0G	500	750
* SFAAC 5000101MC0	100pF	C0G	500	750
SFAAC 5000151MC0	150pF	C0G	500	750
* SFAAC 5000221MC0	220pF	C0G	500	750
* SFAAC 5000331MC0	330pF	C0G	500	750
* SFAAC 5000471MX0	470pF	X7R	500	750
SFAAC 5000681MX0	680pF	X7R	500	750
* SFAAC 5000102MX0	1nF	X7R	500	750
SFAAC 5000152MX0	1.5nF	X7R	500	750
* SFAAC 5000222MX0	2.2nF	X7R	500	750
SFAAC 5000332MX0	3.3nF	X7R	500	750
* SFAAC 5000472MX0	4.7nF	X7R	500	750
SFAAC 5000682MX0	6.8nF	X7R	500	750
* SFAAC 2000103MX0	10nF	X7R	200	500
* SFAAC 2000153MX0	15nF	X7R	200	500
* SFAAC 1000223MX0	22nF	X7R	100	250
SFAAC 0500333MX0	33nF	X7R	50	125
* SFAAC 0500473MX0	47nF	X7R	50	125

Dimensions mm (inches)



Electrical details

Electrical Configuration	C Filters
Capacitance Measurement	At 1000hr point
Current Rating	10A
Temperature Rating	-55°C to 125°C
Ferrite Inductance	N/A

Mechanical details

Head A/F	4mm (5/32")
Mounting Torque	0.15 Nm (1.7lbf in) max.
Mounting Hole Diameter	N/A
Max Panel Thickness	N/A
Weight	0.5g typical (0.017oz)
Finish	Silver plate on copper undercoat

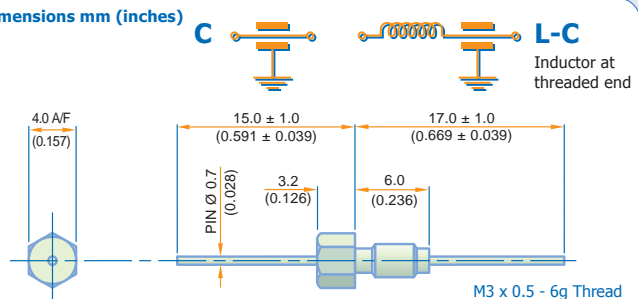
M3 Thread

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#1 5000100ZC0#2	10pF	C0G	500	750
SFAJ#1 5000150ZC0#2	15pF	C0G	500	750
SFAJ#1 5000220ZC0#2	22pF	C0G	500	750
SFAJ#1 5000330ZC0#2	33pF	C0G	500	750
* SFAJ#1 5000470ZC0#2	47pF	C0G	500	750
* SFAJ#1 5000680MC0#2	68pF	C0G	500	750
* SFAJ#1 5000101MC0#2	100pF	C0G	500	750
SFAJ#1 5000151MC0#2	150pF	C0G	500	750
* SFAJ#1 5000221MC0#2	220pF	C0G	500	750
* SFAJ#1 5000331MC0#2	330pF	C0G	500	750
* SFAJ#1 5000471MX0#2	470pF	X7R	500	750
SFAJ#1 5000681MX0#2	680pF	X7R	500	750
* SFAJ#1 5000102MX0#2	1nF	X7R	500	750
SFAJ#1 5000152MX0#2	1.5nF	X7R	500	750
* SFAJ#1 5000222MX0#2	2.2nF	X7R	500	750
SFAJ#1 5000332MX0#2	3.3nF	X7R	500	750
* SFAJ#1 5000472MX0#2	4.7nF	X7R	500	750
SFAJ#1 5000682MX0#2	6.8nF	X7R	500	750
* SFAJ#1 2000103MX0#2	10nF	X7R	200	500
* SFAJ#1 2000153MX0#2	15nF	X7R	200	500
* SFAJ#1 1000223MX0#2	22nF	X7R	100	250
SFAJ#1 0500333MX0#2	33nF	X7R	50	125
* SFAJ#1 0500473MX0#2	47nF	X7R	50	125

Dimensions mm (inches)



Electrical details

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

Mechanical details

Nut A/F	4mm (5/32")
Head A/F	4mm (5/32")
Washer Diameter	6.9mm (0.272")
Mounting Torque	0.25 Nm (2.6 lbf in) max. If using nut 0.15 Nm (1.7 lbf in) max. Into tapped hole
Mounting Hole Diameter	3.15mm ± 0.1 (0.124" ± 0.004")
Max Panel Thickness	3.2mm (0.126")
Weight	0.5g typical (0.017oz)
Finish	Silver plate on copper undercoat

notes

1. For details of ordering see page 85.
2. For Insertion Loss information see page 84.
#1. For C Filter insert "C", for L-C Filter insert "L".
#2. For nuts and washers insert "1". For none insert "0".