

Feedthrough EMI Filters

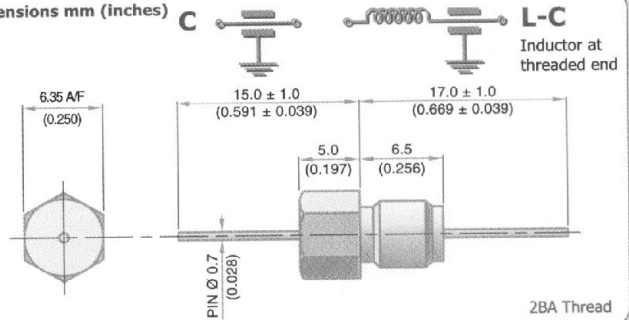
2BA Thread

6.35mm Hexagonal Head

SFCI

Type No. (* = Preferred Value)	Capacitance (Z = -20%+80%) (M = +/-20%)	Dielectric Code	Rated Voltage (Vd.c.)	DWV (Vd.c.)
* SFCI#1 5000100ZC#2	10pF	C0G	500	750
SFCI#1 5000150ZC#2	15pF	C0G	500	750
SFCI#1 5000220ZC#2	22pF	C0G	500	750
SFCI#1 5000330ZC#2	33pF	C0G	500	750
* SFCI#1 5000470ZC#2	47pF	C0G	500	750
* SFCI#1 5000680MC#2	68pF	C0G	500	750
* SFCI#1 5000101MC#2	100pF	C0G	500	750
* SFCI#1 5000151MC#2	150pF	C0G	500	750
* SFCI#1 5000221MC#2	220pF	C0G	500	750
* SFCI#1 5000331MC#2	330pF	C0G	500	750
* SFCI#1 5000471MX#2	470pF	X7R	500	750
SFCI#1 5000681MX#2	680pF	X7R	500	750
* SFCI#1 5000102MX#2	1nF	X7R	500	750
SFCI#1 5000152MX#2	1.5nF	X7R	500	750
* SFCI#1 5000222MX#2	2.2nF	X7R	500	750
SFCI#1 5000332MX#2	3.3nF	X7R	500	750
* SFCI#1 5000472MX#2	4.7nF	X7R	500	750
* SFCI#1 5000682MX#2	6.8nF	X7R	500	750
* SFCI#1 5000103MX#2	10nF	X7R	500	750
SFCI#1 5000153MX#2	15nF	X7R	500	750
* SFCI#1 5000223MX#2	22nF	X7R	500	750
SFCI#1 5000333MX#2	33nF	X7R	500	750
* SFCI#1 5000473MX#2	47nF	X7R	500	750
SFCI#1 5000683MX#2	68nF	X7R	500	750
* SFCI#1 3000104MX#2	100nF	X7R	300	600
SFCI#1 2000154MX#2	150nF	X7R	200	500
* SFCI#1 1000224MX#2	220nF	X7R	100	250
SFCI#1 0500334MX#2	330nF	X7R	50	125
* SFCI#1 0500474MX#2	470nF	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
 0.75µH L-C type

Mechanical details

Nut A/F
Head A/F
Washer Diameter
Mounting Torque
Mounting Hole Diameter
Max Panel Thickness
Weight
Finish

6.35mm (1/4")
 6.35mm (1/4")
 9.1mm (0.358")
 0.6 Nm (6.8 lbf in) max. If using nut
 0.3 Nm (3.4 lbf in) max. Into tapped hole
 4.9mm ± 0.1 (0.193" ± 0.004")
 3.4mm (0.134")
 1.8g typical (0.06oz)
 Silver plate on copper undercoat

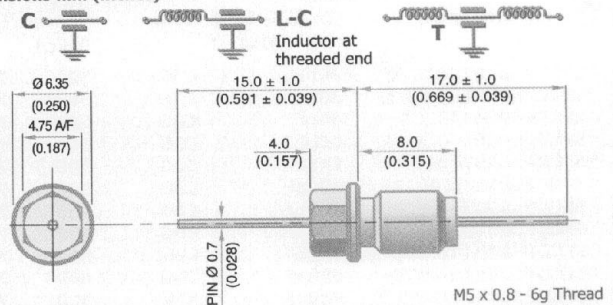
M5 Thread

4.75mm Hexagonal Head

SFBM

Type No. (* = Preferred Value)	Capacitance (Z = -20%+80%) (M = +/-20%)	Dielectric Code	Rated Voltage (Vd.c.)	DWV (Vd.c.)
* SFBM#1 5000100ZC#2	10pF	C0G	500	750
SFBM#1 5000150ZC#2	15pF	C0G	500	750
SFBM#1 5000220ZC#2	22pF	C0G	500	750
SFBM#1 5000330ZC#2	33pF	C0G	500	750
* SFBM#1 5000470ZC#2	47pF	C0G	500	750
* SFBM#1 5000680MC#2	68pF	C0G	500	750
* SFBM#1 5000101MC#2	100pF	C0G	500	750
* SFBM#1 5000151MC#2	150pF	C0G	500	750
* SFBM#1 5000221MC#2	220pF	C0G	500	750
* SFBM#1 5000331MC#2	330pF	C0G	500	750
* SFBM#1 5000471MX#2	470pF	X7R	500	750
SFBM#1 5000681MX#2	680pF	X7R	500	750
* SFBM#1 5000102MX#2	1nF	X7R	500	750
SFBM#1 5000152MX#2	1.5nF	X7R	500	750
* SFBM#1 5000222MX#2	2.2nF	X7R	500	750
SFBM#1 5000332MX#2	3.3nF	X7R	500	750
* SFBM#1 5000472MX#2	4.7nF	X7R	500	750
SFBM#1 5000682MX#2	6.8nF	X7R	500	750
* SFBM#1 2000103MX#2	10nF	X7R	200	500
* SFBM#1 2000153MX#2	15nF	X7R	200	500
* SFBM#1 1000223MX#2	22nF	X7R	100	250
SFBM#1 0500333MX#2	33nF	X7R	50	125
* SFBM#1 0500473MX#2	47nF	X7R	50	125

Dimensions mm (inches)



Electrical details

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

C, L-C or T Filters
 At 1000hr point
 10A
 -55°C to 125°C
 0.75µH L-C type. 1.5µH T type

Mechanical details

Nut A/F
Head A/F
Washer Diameter
Mounting Torque
Mounting Hole Diameter
Max Panel Thickness
Weight
Finish

6mm (0.236")
 4.75mm (3/16")
 9.1mm (0.358")
 0.6 Nm (6.8 lbf in) max. If using nut
 0.3 Nm (3.4 lbf in) max. Into tapped hole
 5.2mm ± 0.1 (0.205" ± 0.004")
 4.9 (0.193")
 1.5g typical (0.05oz)
 Silver plate on copper undercoat

1. For details of ordering see page 71.
2. For Insertion Loss information see page 68.
- #1. For C Filter insert "C", for L-C Filter insert "L" and for T Filter insert "T".
- #2. For nuts and washers insert "1". For none insert "0".