

Feedthrough EMI Filters

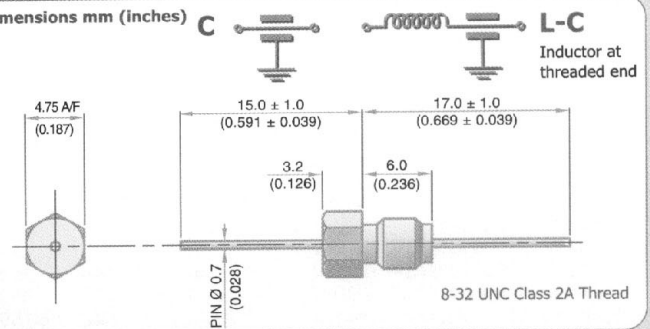
8-32 UNC Thread

4.75mm Hexagonal Head

SFBC

Type No. (* = Preferred Value)	Capacitance (Z = -20%+80%) (M = +/-20%)	Dielectric Code	Rated Voltage (Vd.c.)	DWV (Vd.c.)
* SFBC#1 5000100ZC#2	10pF	COG	500	750
SFBC#1 5000150ZC#2	15pF	COG	500	750
SFBC#1 5000220ZC#2	22pF	COG	500	750
SFBC#1 5000330ZC#2	33pF	COG	500	750
* SFBC#1 5000470ZC#2	47pF	COG	500	750
* SFBC#1 5000680MC#2	68pF	COG	500	750
* SFBC#1 5000101MC#2	100pF	COG	500	750
SFBC#1 5000151MC#2	150pF	COG	500	750
* SFBC#1 5000221MC#2	220pF	COG	500	750
* SFBC#1 5000331MC#2	330pF	COG	500	750
* SFBC#1 5000471MX#2	470pF	X7R	500	750
SFBC#1 5000681MX#2	680pF	X7R	500	750
* SFBC#1 5000102MX#2	1nF	X7R	500	750
SFBC#1 5000152MX#2	1.5nF	X7R	500	750
* SFBC#1 5000222MX#2	2.2nF	X7R	500	750
SFBC#1 5000332MX#2	3.3nF	X7R	500	750
* SFBC#1 5000472MX#2	4.7nF	X7R	500	750
SFBC#1 5000682MX#2	6.8nF	X7R	500	750
* SFBC#1 2000103MX#2	10nF	X7R	200	500
* SFBC#1 2000153MX#2	15nF	X7R	200	500
* SFBC#1 1000223MX#2	22nF	X7R	100	250
SFBC#1 0500333MX#2	33nF	X7R	50	125
* SFBC#1 0500473MX#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	6.35mm (1/4")
Head A/F	4.75mm (3/16")
Washer Diameter	8.0mm (0.315")
Mounting Torque	0.5 Nm (5.6 lbf in) max. If using nut 0.25 Nm (2.8 lbf in) max. Into Tapped hole
Mounting Hole Diameter	4.4mm ± 0.1 (0.173" ± 0.004")
Max Panel Thickness	2.9mm (0.114")
Weight	1.2g typical (0.04oz)
Finish	Silver plate on copper undercoat

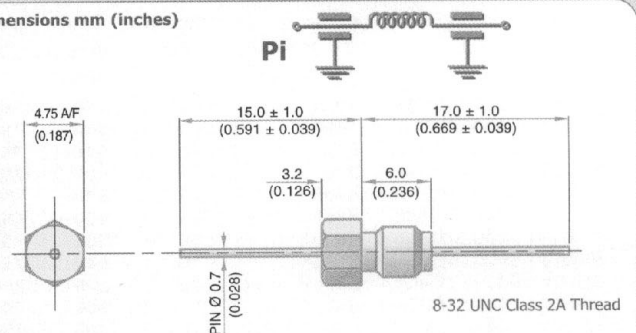
8-32 UNC Thread

4.75mm Hexagonal Head

SFBCP

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

Dimensions mm (inches)



Electrical details

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

Mechanical details

Nut A/F	6.35mm (1/4")
Head A/F	4.75mm (3/16")
Washer Diameter	8.0mm (0.315")
Mounting Torque	0.5 Nm (5.6 lbf in) max. If using nut 0.25 Nm (2.8 lbf in) max. Into tapped hole
Mounting Hole Diameter	4.4mm ± 0.1 (0.173" ± 0.004")
Max Panel Thickness	2.9mm (0.114")
Weight	1.2g typical (0.04oz)
Finish	Silver plate on copper undercoat

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