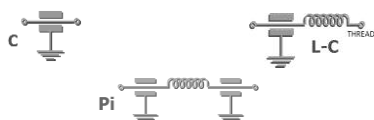


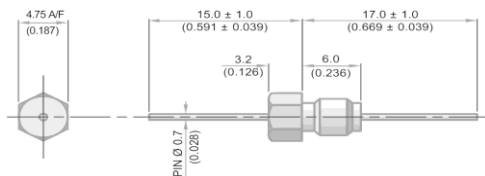
Feedthrough EMI Filter Datasheet

(8-32 UNC Thread : 4.75mm Hexagonal Head)

Circuit Configurations Available



Dimensions mm (inches)



8-32 UNC Class 2A Thread

Electrical Details

Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	See relevant tables

Mechanical Details

Head A/F	4.75mm (0.187")
Nut A/F	6.35mm (0.250")
Washer Diameter	8mm (0.315")
Mounting Torque	0.5Nm (4.42lbf in) max. if using nut 0.25Nm (2.21lbf in) max. into tapped hole
Mounting Hole Diameter	4.4mm ± 0.1 (0.173" ± 0.004")
Max. Panel Thickness	2.9mm (0.114")
Weight (Typical)	1.2g (0.04oz)
Finish	Silver plate on copper undercoat

C Configuration

Product Code	Hardware (Nuts & Washers etc.)	Capacitance ± 20% UOS	Dielectric	Rated Voltage (dc)	DWV (dc)	Typical Insertion Loss (db)					
						0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
*SFBC5000100ZC	0 = No hardware supplied 1 = supplied with standard nut and wavy washer Other options available – please contact factory	10pF -20% / +80%	C0G	500#	750						4
SFBC5000150ZC		15pF -20% / +80%	C0G	500#	750						7
SFBC5000220ZC		22pF -20% / +80%	C0G	500#	750						10
SFBC5000330ZC		33pF -20% / +80%	C0G	500#	750						12
*SFBC5000470ZC		47pF -20% / +80%	C0G	500#	750					1	15
*SFBC5000680MC		68pF	C0G	500#	750					2	18
*SFBC5000101MC		100pF	C0G	500#	750					4	22
SFBC5000151MC		150pF	C0G	500#	750					7	25
*SFBC5000221MC		220pF	C0G	500#	750					10	29
*SFBC5000331MC		330pF	C0G	500#	750					13	33
*SFBC5000471MX		470pF	+X7R	500#	750				1	16	35
SFBC5000681MX		680pF	+X7R	500#	750				2	19	36
*SFBC5000102MX		1.0nF	X7R	500#	750				4	23	41
SFBC5000152MX		1.5nF	X7R	500#	750				7	26	45
*SFBC5000222MX		2.2nF	X7R	500#	750				10	30	50
SFBC5000332MX		3.3nF	X7R	500#	750				13	33	52
*SFBC5000472MX		4.7nF	X7R	500#	750			1	16	36	55
SFBC5000682MX		6.8nF	X7R	500#	750			2	19	39	57
*SFBC5000103MX		10nF	X7R	500#	750			4	22	41	60
*SFBC5000153MX		15nF	X7R	500#	750			7	25	44	62
*SFBC5000223MX		22nF	X7R	500#	750			10	29	46	65
SFBC5000333MX		33nF	X7R	500#	750			13	33	48	68
*SFBC2000473MX		47nF	X7R	200	500		1	16	35	50	70
SFBC2000683MX		68nF	X7R	200	500		2	19	39	54	>70
*SFBC1000104MX		100nF	X7R	100	250		4	22	41	57	>70
*SFBC0500154MX		150nF	X7R	50	125		7	25	45	60	>70

- Also rated for operation at 115Vac 400Hz. Self-heating will occur – evaluation in situ recommended
* Recommended values † Also available in C0G

