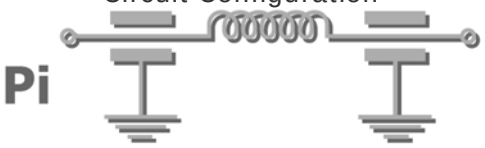
Filter Type
SFBCP

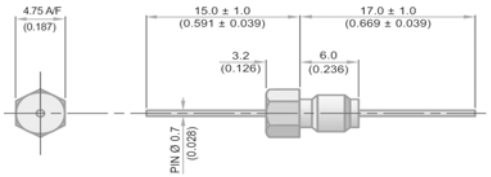
Feedthrough EMI Filter Datasheet

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

Circuit Configuration



Dimensions mm (inches)



8-32 UNC Class 2A Thread

Electrical Details	
Electrical Configuration	Pi Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	75nH
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

Product Code	Hardware (Nuts & Washers etc.)	Capacitance (-20%+80%)	Dielectric	Rated Voltage (dc)	DWV (dc)	Typical Insertion Loss (db) 0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
SFBCP5000200ZC	0 = No hardware supplied 1 = supplied with standard nut and wavy washer Other options available – please contact factory	20pF	C0G	500	750					1	11
SFBCP5000440ZC		44pF	C0G	500	750					3	19
SFBCP5000940ZC		94pF	C0G	500	750					6	25
SFBCP5000201ZC		200pF	C0G	500	750					11	33
SFBCP5000441ZC		440pF	C0G	500	750				2	18	45
SFBCP5000941ZX		940pF	X7R	500	750				5	25	60
SFBCP5000202ZX		2nF	X7R	500	750				10	40	70
SFBCP5000442ZX		4.4nF	X7R	500	750			1	17	47	>70
SFBCP5000942ZX		9.4nF	X7R	500	750			4	24	60	>70
SFBCP2000203ZX		20nF	X7R	200	500			9	28	70	>70
SFBCP1000443ZX		44nF	X7R	100	250		0	14	42	>70	>70
SFBCP0500943ZX		94nF	X7R	50	125		2	18	57	>70	>70

Ordering Information

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Hardware
SF	B	C	P	050	0943	Z	X	0
Syfer Filter	4.75mm Hex Head	8-32 UNC	P = Pi Filter	050 = 50V 100 = 100V 200 = 200V 500 = 500V	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is the number of zeros following. Examples: 0201 = 200pF 0943 = 94000pF	Z = -20+80%	C = C0G/NP0 X = X7R	0 = Without 1 = With

Note: The addition of a 4-digit numerical suffix code can be used to denote changes to the standard part.

Options include for example: change of pin length / custom body dimensions or threads / alternative voltage rating / non-standard intermediate capacitance values / test requirements.

Please refer specific requests to the factory.

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