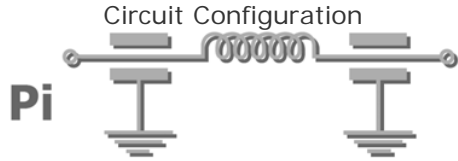
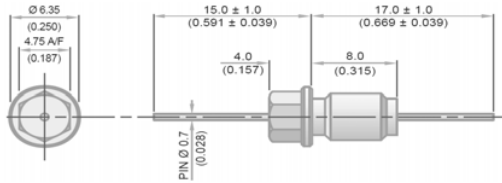


Filter Type
SFBMP

Feedthrough EMI Filter Datasheet
(M5 Thread : 4.75mm Hexagonal Head)



Dimensions mm (inches)



M5 × 0.8 – 6g 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)	250nH
Mechanical Details	
Body Flange Diameter	6.35mm (0.250")
Head A/F	4.75mm (0.187")
Nut A/F	6mm (0.236")
Washer Diameter	9.1mm (0.358")
Mounting Torque	0.6Nm (5.31lbf in) max. if using nut 0.3Nm (2.65lbf in) max. into tapped hole
Mounting Hole Diameter	5.2mm ± 0.1 (0.205" ± 0.004")
Max. Panel Thickness	4.9mm (0.193")
Weight (Typical)	1.5g (0.05oz)
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
SFBMP5000200ZC	0 = No hardware supplied 1 = supplied with standard nut and wavy washer Other options available – please contact factory	20pF	COG	500	750					1	11
SFBMP5000300ZC		30pF	COG	500	750					2	15
SFBMP5000440ZC		44pF	COG	500	750					3	19
SFBMP5000660ZC		66pF	COG	500	750					4	23
SFBMP5000940ZC		94pF	COG	500	750					6	29
SFBMP5000136MC		136pF	COG	500	750					8	35
SFBMP5000201MC		200pF	COG	500	750					11	41
SFBMP5000301MC		300pF	COG	500	750				1	15	50
SFBMP5000441MC		440pF	COG	500	750				2	20	57
SFBMP5000661MC		660pF	COG	500	750				3	25	65
SFBMP5000941MC		940pF	X7R	500	750				5	31	68
SFBMP5001N36MC		1.36nF	X7R	500	750				7	37	>70
SFBMP5000202MX		2nF	X7R	500	750				10	44	>70
SFBMP5000302MX		3nF	X7R	500	750				13	51	>70
SFBMP5000442MX		4.4nF	X7R	500	750				17	59	>70
SFBMP5000662MX		6.6nF	X7R	500	750			1	21	64	>70
SFBMP5000942MX		9.4nF	X7R	500	750			2	27	68	>70
SFBMP50013N6MX		13.6nF	X7R	500	750			4	34	>70	>70
SFBMP5000203MX		20nF	X7R	500	750			6	40	>70	>70
SFBMP5000303MX		30nF	X7R	500	750			9	48	>70	>70
SFBMP5000443MX		44nF	X7R	500	750			12	54	>70	>70
SFBMP5000663MX		66nF	X7R	500	750			14	63	>70	>70
SFBMP2000943MX		94nF	X7R	200	500			17	68	>70	>70
SFBMP200136NMX		136nF	X7R	200	500			21	>70	>70	>70
SFBMP1000204MX		200nF	X7R	100	250			25	>70	>70	>70
SFBMP0500304MX		300nF	X7R	50	125			27	>70	>70	>70
								30	>70	>70	>70

Ordering Information

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Hardware
SF	B	M	P	050	0943	Z	X	O
Syfer Filter	4.75mm Hex Head	M5	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	M = ±20% Z = -20+80%	C = COG/NPO 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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