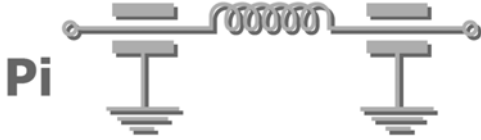
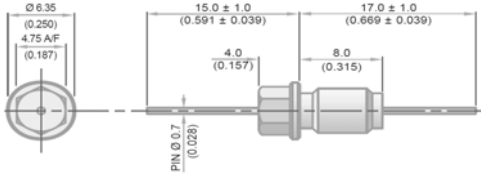


Feedthrough EMI Filter Datasheet
(12-32 UNEF Thread : 4.75mm Hexagonal Head)

Circuit Configuration



Dimensions mm (inches)



12-32 UNEF 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)	250nH

Mechanical Details

Body Flange Diameter	6.35mm (0.250")
Head A/F	4.75mm (0.187")
Nut A/F	7.92mm (0.312")
Washer Diameter	11.35mm (0.447")
Mounting Torque	0.6Nm (5.31lbf in) max. if using nut 0.3Nm (2.65lbf in) max. into tapped hole
Mounting Hole Diameter	5.7mm ± 0.1 (0.224" ± 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
SFBDP5000200ZC	0 = No hardware supplied 1 = supplied with standard nut and wavy washer Other options available – please contact factory	20pF	COG	500	750					1	11
SFBDP5000300ZC		30pF	COG	500	750					2	15
SFBDP5000440ZC		44pF	COG	500	750					3	19
SFBDP5000660ZC		66pF	COG	500	750					4	23
SFBDP5000940ZC		94pF	COG	500	750					6	29
SFBDP5000136MC		136pF	COG	500	750					8	35
SFBDP5000201MC		200pF	COG	500	750					11	41
SFBDP5000301MC		300pF	COG	500	750				1	15	50
SFBDP5000441MC		440pF	COG	500	750				2	20	57
SFBDP5000661MC		660pF	COG	500	750				3	25	65
SFBDP5000941MC		940pF	X7R	500	750				5	31	68
SFBDP5001N36MC		1.36nF	X7R	500	750				7	37	>70
SFBDP5000202MX		2nF	X7R	500	750				10	44	>70
SFBDP5000302MX		3nF	X7R	500	750				13	51	>70
SFBDP5000442MX		4.4nF	X7R	500	750			1	17	59	>70
SFBDP5000662MX		6.6nF	X7R	500	750			2	21	64	>70
SFBDP5000942MX		9.4nF	X7R	500	750			4	27	68	>70
SFBDP50013N6MX		13.6nF	X7R	500	750			6	34	>70	>70
SFBDP5000203MX		20nF	X7R	500	750			9	40	>70	>70
SFBDP5000303MX		30nF	X7R	500	750			12	48	>70	>70
SFBDP5000443MX		44nF	X7R	500	750		1	14	54	>70	>70
SFBDP5000663MX		66nF	X7R	500	750		2	17	63	>70	>70
SFBDP2000943MX		94nF	X7R	200	500		4	18	68	>70	>70
SFBDP200136NMX		136nF	X7R	200	500		8	25	>70	>70	>70
SFBDP1000204MX		200nF	X7R	100	250		10	27	>70	>70	>70
SFBDP0500304MX		300nF	X7R	50	125		13	30	>70	>70	>70

Ordering Information

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Hardware
SF	B	D	P	050	0943	Z	X	O
Syfer Filter	4.75mm Hex Head	12-32 UNEF	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.

