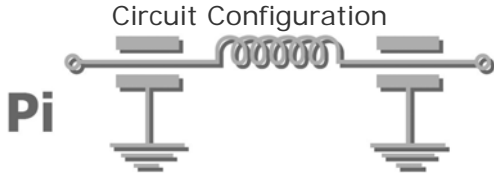
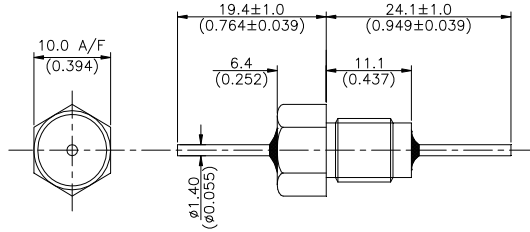


Feedthrough EMI Filter Datasheet
(M8 x 0.75 – 6g Thread : 10.00mm Hexagonal Head)



Dimensions mm (inches)



M8 x 0.75 – 6g Thread

Electrical Details	
Electrical Configuration	Pi Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	20A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	1μH
Mechanical Details	
Head A/F	10.0mm (0.250")
Nut A/F	10.0mm (0.312")
Washer Diameter	10.8mm (0.447") Lockwasher
Mounting Torque	1.0Nm (8.5lbf in) max. if using nut 0.5Nm (4.25lbf in) max. into tapped hole
Mounting Hole Diameter	8.2mm ± 0.1 (0.323" ± 0.004")
Max. Panel Thickness	7.95mm (0.313")
Weight (Typical)	6.2g (0.22oz)
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
SFDPP1K00942MX	0 = No hardware supplied 3 = supplied with standard nut and Lockwasher Other options available – please contact factory	9.4nF	X7R	1000	1250			4	27	68	>70
SFDPP2000204MX		200nF	X7R	200	300		10	27	>70	>70	>70
SFDPP0500944MX		940nF	X7R	50	125	5	22	52	>70	>70	>70

Ordering Information

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Hardware
SF	D	P	P	050	0944	Z	X	O
Syfer Filter	10.0mm Hex Head	M8	P = Pi Filter	050 = 50V 200 = 200V 1K0 = 1000V	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is the number of zeros following. Examples: 0942 = 9400nF 0944 = 94000pF	M = ±20%	C = COG/NPO X = X7R	0 = Without 3 = 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.

