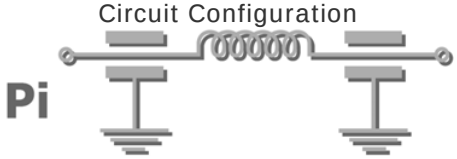
Filter Type
SFLMP

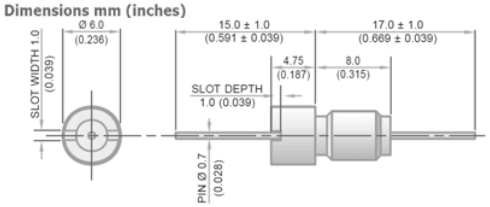
Feedthrough EMI Filter Datasheet

(M5 Thread : 6.0mm Round Head)

Circuit Configuration



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	
Head Diameter	6.0mm *(0.236")*
Nut A/F	N/a. For use in tapped hole
Washer Diameter	N/a
Mounting Torque	0.3Nm *(2.65lbf in)* max.
Mounting Hole Diameter	M5 × 0.8 – 6h
Max. Panel Thickness	N/a
Weight (Typical)	2.0g *(0.07oz)*
Finish	Silver plate on copper undercoat

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
*SFLMP5000200ZC	0 = No hardware supplied Other options available – please contact factory	20pF -20% / +80%	C0G	500	750					1	11
SFLMP5000300ZC		30pF -20% / +80%	C0G	500	750					2	15
SFLMP5000440ZC		44pF -20% / +80%	C0G	500	750					3	19
SFLMP5000660ZC		66pF -20% / +80%	C0G	500	750					4	23
*SFLMP5000940ZC		94pF -20% / +80%	C0G	500	750					6	29
*SFLMP5000136MC		136pF	C0G	500	750					8	35
*SFLMP5000201MC		200pF	C0G	500	750					11	41
SFLMP5000301MC		300pF	C0G	500	750				1	15	50
*SFLMP5000441MC		440pF	C0G	500	750				2	20	57
*SFLMP5000661MC		660pF	C0G	500	750				3	25	65
*SFLMP5000941MX		940pF	†X7R	500	750				5	31	68
SFLMP5001N36MX		1.36nF	†X7R	500	750				7	37	>70
*SFLMP5000202MX		2nF	X7R	500	750				10	44	>70
SFLMP5000302MX		3nF	X7R	500	750				13	51	>70
*SFLMP5000442MX		4.4nF	X7R	500	750			1	17	59	>70
SFLMP5000662MX		6.6nF	X7R	500	750			2	21	64	>70
*SFLMP5000942MX		9.4nF	X7R	500	750			4	27	68	>70
SFLMP50013N6MX		13.6nF	X7R	500	750			6	34	>70	>70
*SFLMP5000203MX		20nF	X7R	500	750			9	40	>70	>70
*SFLMP5000303MX		30nF	X7R	500	750			12	48	>70	>70
*SFLMP5000443MX		44nF	X7R	500	750		1	14	54	>70	>70
SFLMP5000663MX		66nF	X7R	500	750		2	17	63	>70	>70
*SFLMP2000943MX		94nF	X7R	200	500		4	18	68	>70	>70
SFLMP200136NMX		136nF	X7R	200	500		8	25	>70	>70	>70
SFLMP1000204MX		200nF	X7R	100	250		10	27	>70	>70	>70
SFLMP0500304MX		300nF	X7R	50	125		13	30	>70	>70	>70

* Recommended values

† Also available in C0G

Ordering Information

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Nuts & washers
SF	L	M	P	050	0943	Z	X	0
Syfer Filter	6.0mm O.D.	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 = C0G/NP0 X = X7R	0 = Without

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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