



8-12GHz SSS Band Pass Filter



Features

- SSS Filter - Suspended Substrate Stripline Filter
- Flat frequency response and low insertion loss
- Covers the 1 GHz to 18 GHz Frequency Range
- Wide bandwidth and 3 dB BW Available from 5-50% (f_0)
- Designs that Cover up to 40 GHz Also Available
- MIL-E-5400 standard

Electrical Specifications

Parameters		Min.	Typ.	Max.	Units
Frequency Range		8		12	GHz
Insertion Loss			0.8	1.0	dB
Pass Band Ripple			0.6	0.8	dB
VSWR			1.4	1.6	
Rejection	@6.8GHz	45	50		dB
	@13.8GHz	45	50		dB
Power Rating	Average			15	W
	Perk			100	W
Operating Temperature		-45		+85	°C
Impedance		50			Ohms
Weight		1.45			ounces
Input / Output Connector		SMA-Female			
Material		Aluminum			
Finishing		Gray Paint			

8-12GHz Band Pass SSS-Suspended Substrate Stripline Filter

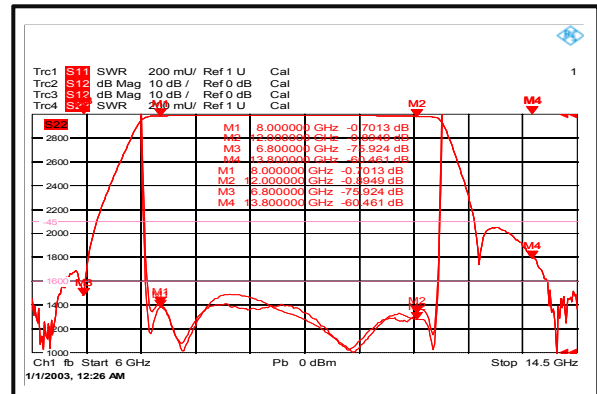


Environment specifications

Operational Temperature (C°)	-45 to +85
Storage Temperature (C°)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave,3 axis both directions

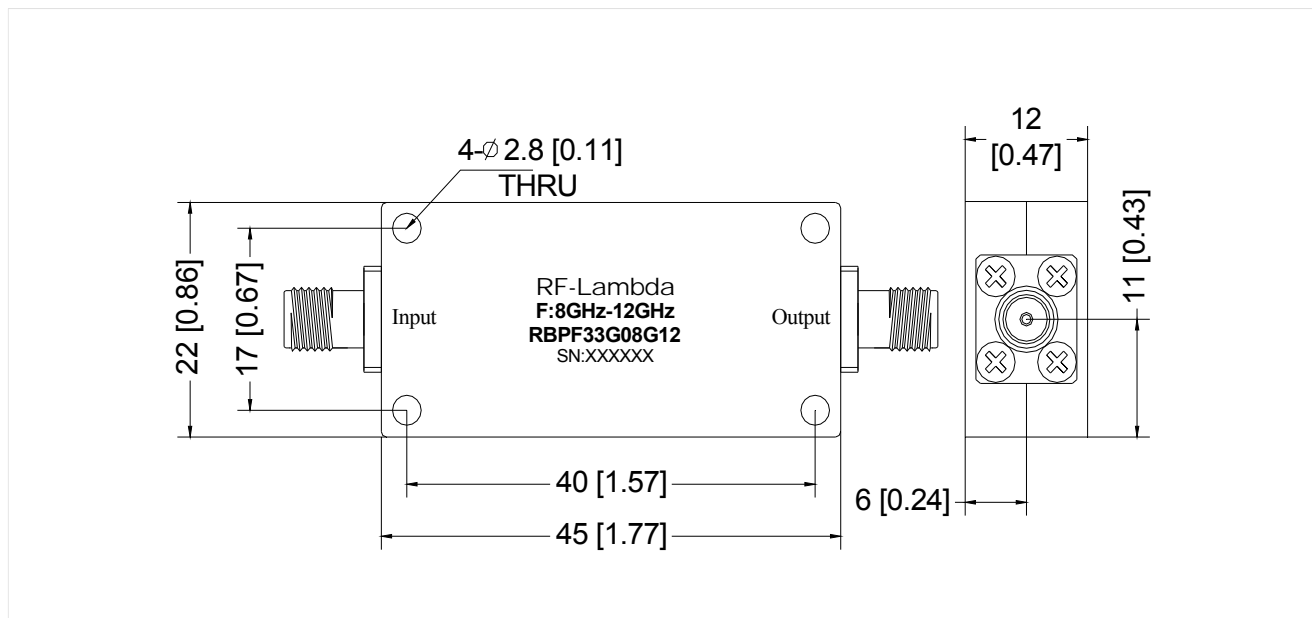
Typical performance plots

Loss VS. Ripple VS. Rejection VS.VSWR



Outline Drawing:

All Dimensions in mm (inches)



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