



Coaxial Cavity Band Pass Filter 7-7.3GHz



Features

- High Rejection
- Low Insertion Loss
- Excellent Temperature Stability
- Miniaturization
- Filter Type: Cavity
- Customization available upon request

Coaxial Cavity Band Pass Filter 7-7.3GHz

Electrical Specifications

Parameters		Min.	Typ.	Max.	Units
Frequency Range		7		7.3	GHz
Insertion Loss			0.3	0.5	dB
Pass Band Ripple			0.15	0.3	dB
VSWR			1.25	1.3	
Rejection	@6.0GHz	60	61		dB
	@8.3-12GHz	60	62		dB
Power Rating	Average			30	W
	Peak			0.3	KW
Operating Temperature		-25		+70	°C
Impedance		50			Ohms
Weight		2.5			ounces
Input / Output Connector		SMA-Female			
Material		Aluminum			
Finishing		Gray Paint			

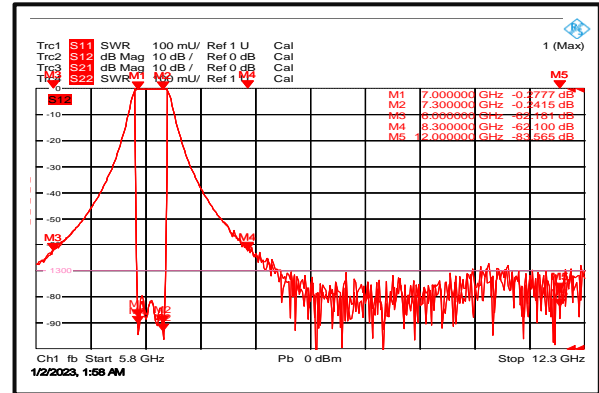


Environment specifications

Operational Temperature (°C)	-25 to +70
Storage Temperature (°C)	-45 ~ +85
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 35°C, 95%RH at 40°C
Shock	20G for 11msc half sin wave, 3 axis both directions

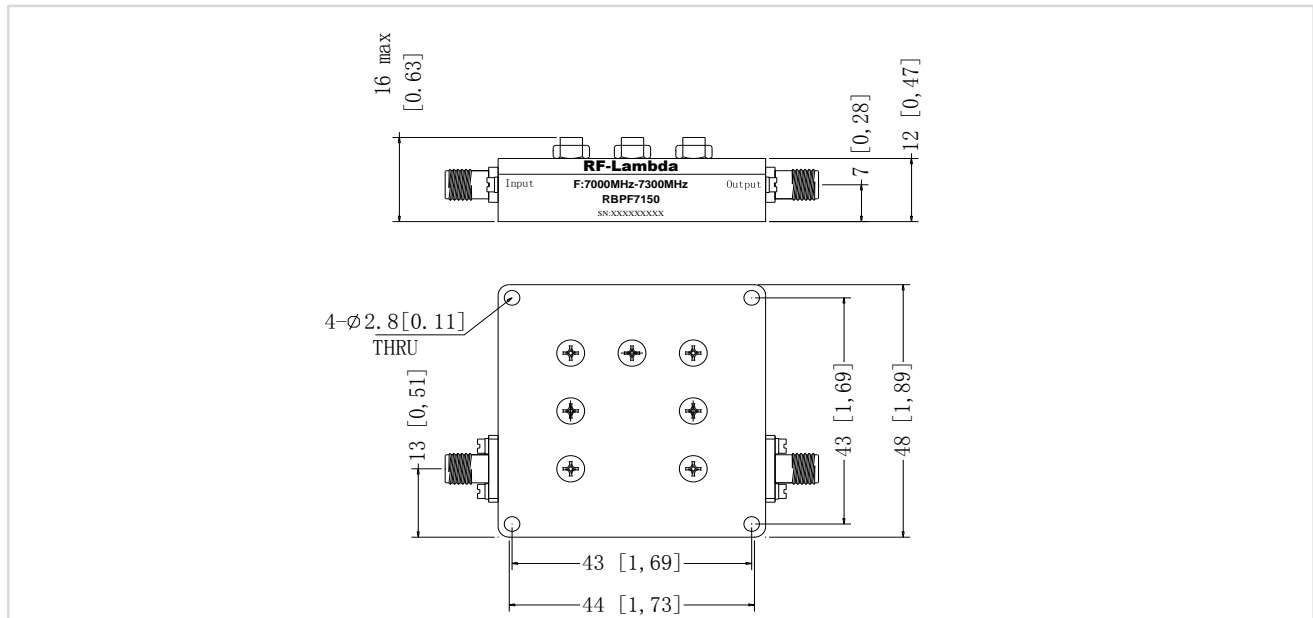
Typical performance plots

Loss VS. Ripple VS. Rejection VS.VSWR



Outline Drawing:

All Dimensions in mm (inches)



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