



Coaxial Cavity Band Pass Filter 1.8825 - 1.9025GHz



Features

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



Electrical Specifications, $T_A = +25^\circ \text{C}$

Parameters		Min.	Typ.	Max.	Units
Center Frequency			1.8925		GHz
Band width		20			MHz
Insertion Loss			0.7	1.5	dB
Pass Band Ripple			0.3	0.5	dB
VSWR			1.2	1.3	:1
Rejection	@ $\pm 60\text{MHz}$ off center	50	53		dB
Power Rating	Average			50	W
	Peak			500	W
Impedance		50			Ohms
Weight		6.35			Ounces
Input / Output Connectors		N-Female			
Material		Aluminum			
Finishing		Blue Paint			

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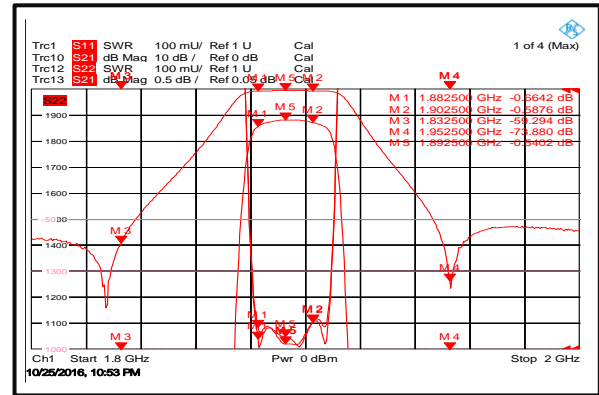


Environmental Specifications

Operational Temperature (°C)	-25 to +70
Storage Temperature (°C)	-40 to +105
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.opsi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

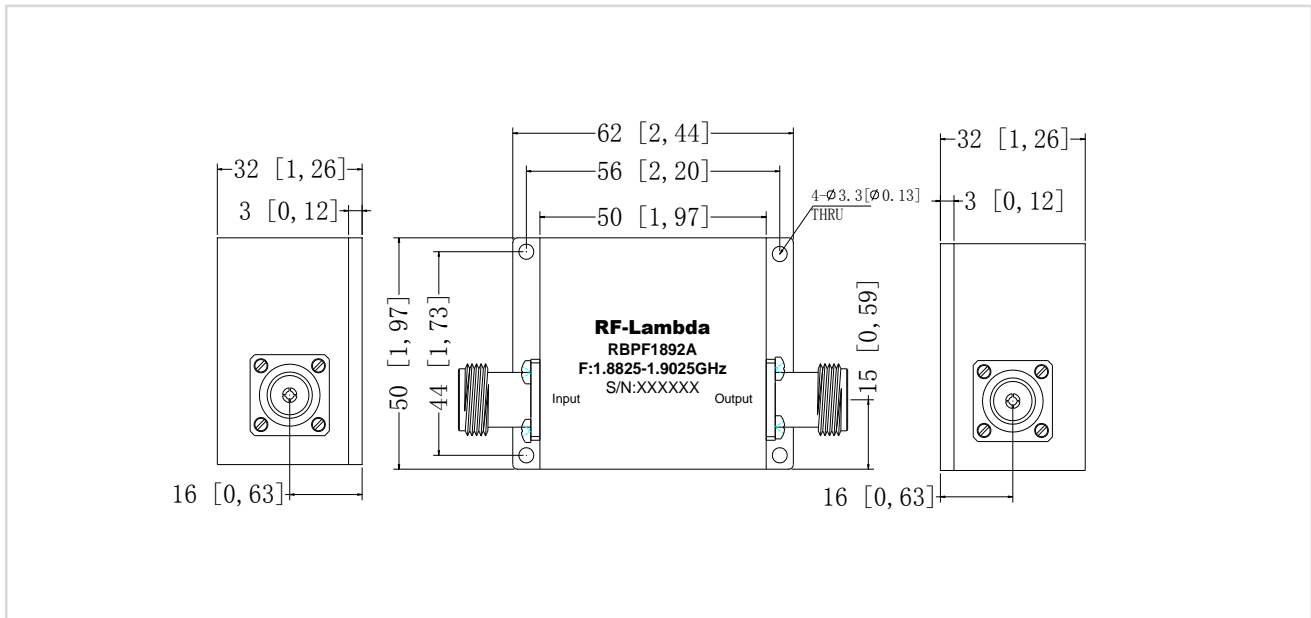
Typical Performance Plots

Loss VS. Ripple VS. Rejection VS.VSWR



Outline Drawing:

All Dimensions in mm [inches]



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