



### Coaxial Cavity Band Pass Filter 1892.5-1912.5MHz



#### Features

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

Coaxial Cavity Band Pass Filter 1892.5-1912.5MHz

Electrical Specifications, TA = +25 ° C, 50 Ohm System,

Parameters		Min.	Typ.	Max.	Units
Center Frequency			1902.5		MHz
Band width		20			MHz
Insertion Loss			0.7	1.0	dB
Pass Band Ripple			0.3	0.5	dB
VSWR			1.2	1.3	
Rejection	@± 60MHz off center	50	55		dB
Power Rating	Average			30	W
	Peak			0.3	KW
Operating Temperature		-25		+70	°C
Impedance		50			Ohms
Weight		100			g
Input / Output Connector		N-Female			
Material		Aluminum			
Finishing		Gray Paint			

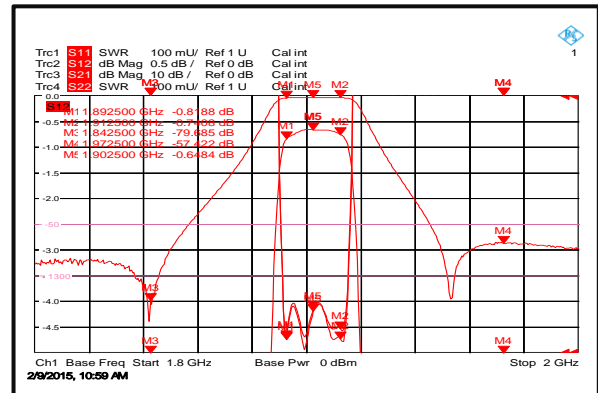


### Environment specifications

Operational Temperature (°C)	-25 to +70
Storage Temperature (°C)	-40 to +105
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

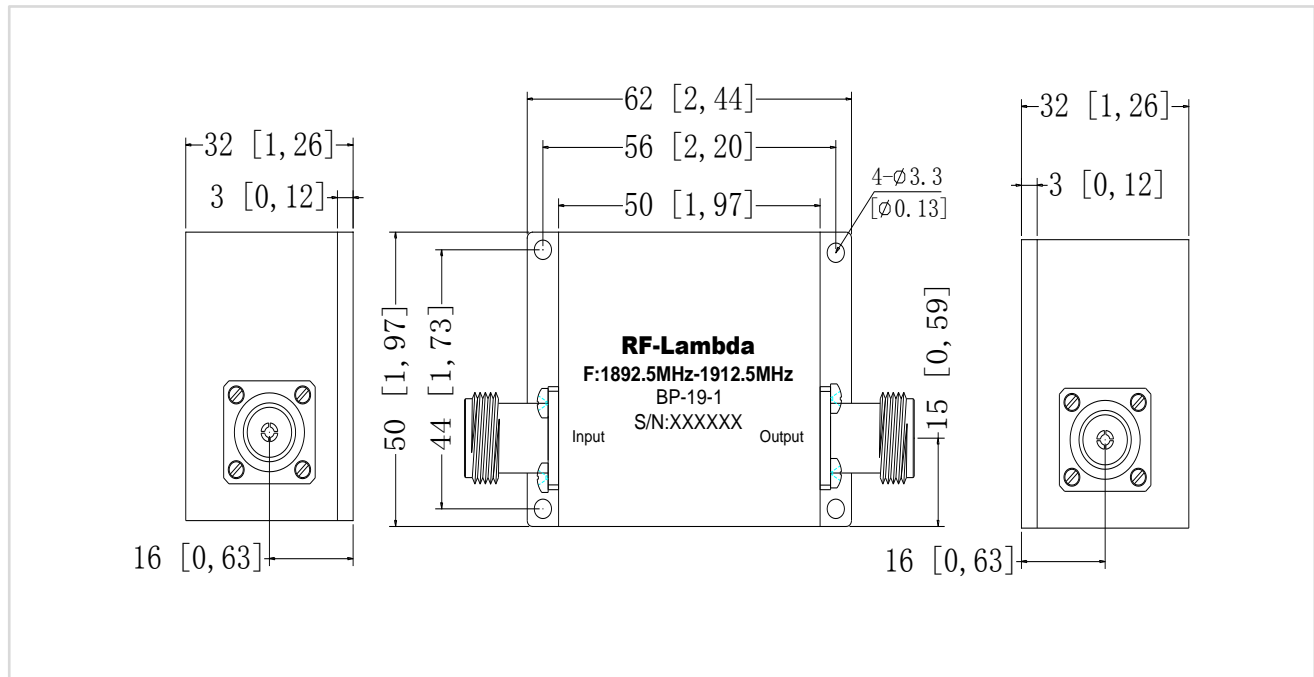
### Typical performance plots

#### Loss . Ripple. Rejection. Return Loss



### Outline Drawing:

All Dimensions in mm (inches)



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