



RF-LAMBDA

The power beyond expectations

RBPF1710

Coaxial Cavity Band Pass Filter 1710-1730MHz



Features

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

Electrical Specifications, $T_A = +25^\circ \text{C}$, 50 Ohm System,

Parameters		Min.	Typ.	Max.	Units
Center Frequency			1720		MHz
Band width		20			MHz
Insertion Loss			0.7	1.0	dB
Pass Band Ripple			0.3	0.5	dB
VSWR			1.2	1.25	
Rejection	@ $\pm 60\text{MHz}$ off center	50	55		dB
Power Rating	Average			30	W
	Perk			0.3	KW
Operating Temperature		-25		+70	$^\circ\text{C}$
Impedance		50			Ohms
Weight		120			g
Input / Output Connector		N-Female			
Material		Aluminum			
Finishing		Gray Paint			

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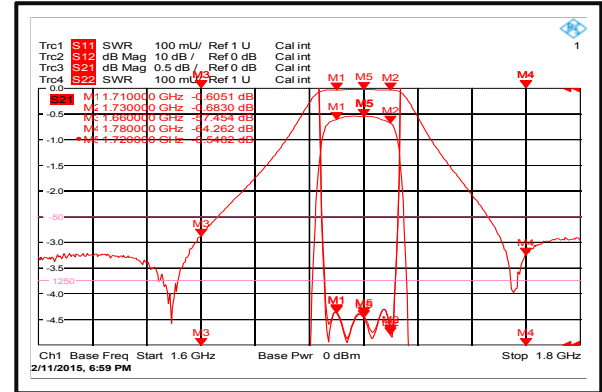
RBPF1710

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 35C, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave, 3 axis both directions

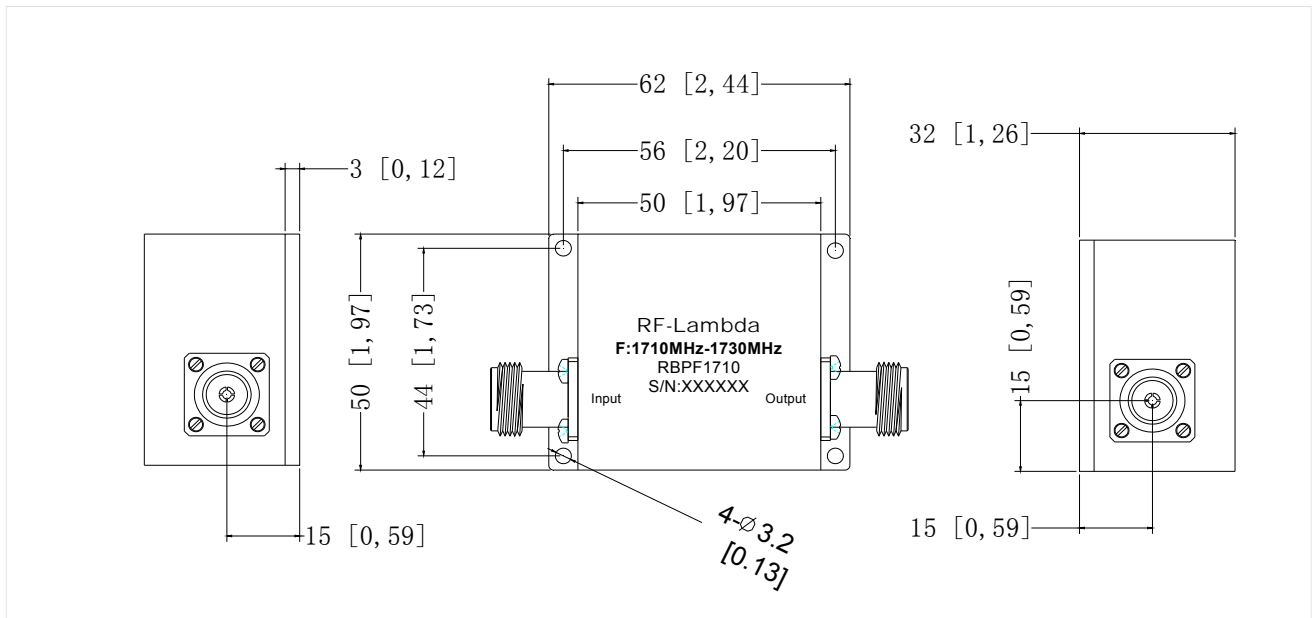
Typical performance plots

Loss VS. Ripple VS. Rejection VS.VSWR



Outline Drawing:

All Dimensions in mm (inches)



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