



Coaxial Cavity Filter 1.5 - 3GHz



Features

- High Rejection
- Low Insertion Loss
- Excellent Temperature Stability
- Compact Size

Typical Applications

- Wireless Infrastructure
- Military & Aerospace
- Test & Measurement

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Electrical Specifications, $T_A = 25^\circ C$

Parameters		Min.	Typ.	Max.	Units
Frequency Range		1.5		3	GHz
Insertion Loss				0.3	dB
Input Return Loss		20			dB
Output Return Loss		18			dB
Rejection	@4-6GHz	50			dB
Power Rating	Average			3000	W (CW)
Impedance		50			Ohms
Weight		-			ounces
Input / Output Connectors		EIA 1-5/8"			
Material		Aluminum			
Finish		Gray Paint			



Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-30°C~+70°C
Storage Temperature		-40°C~+85°C
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85°C for 72 Hours
Shock		1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude		Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883	MIL-STD-883 (For Hermetically Sealed Units)

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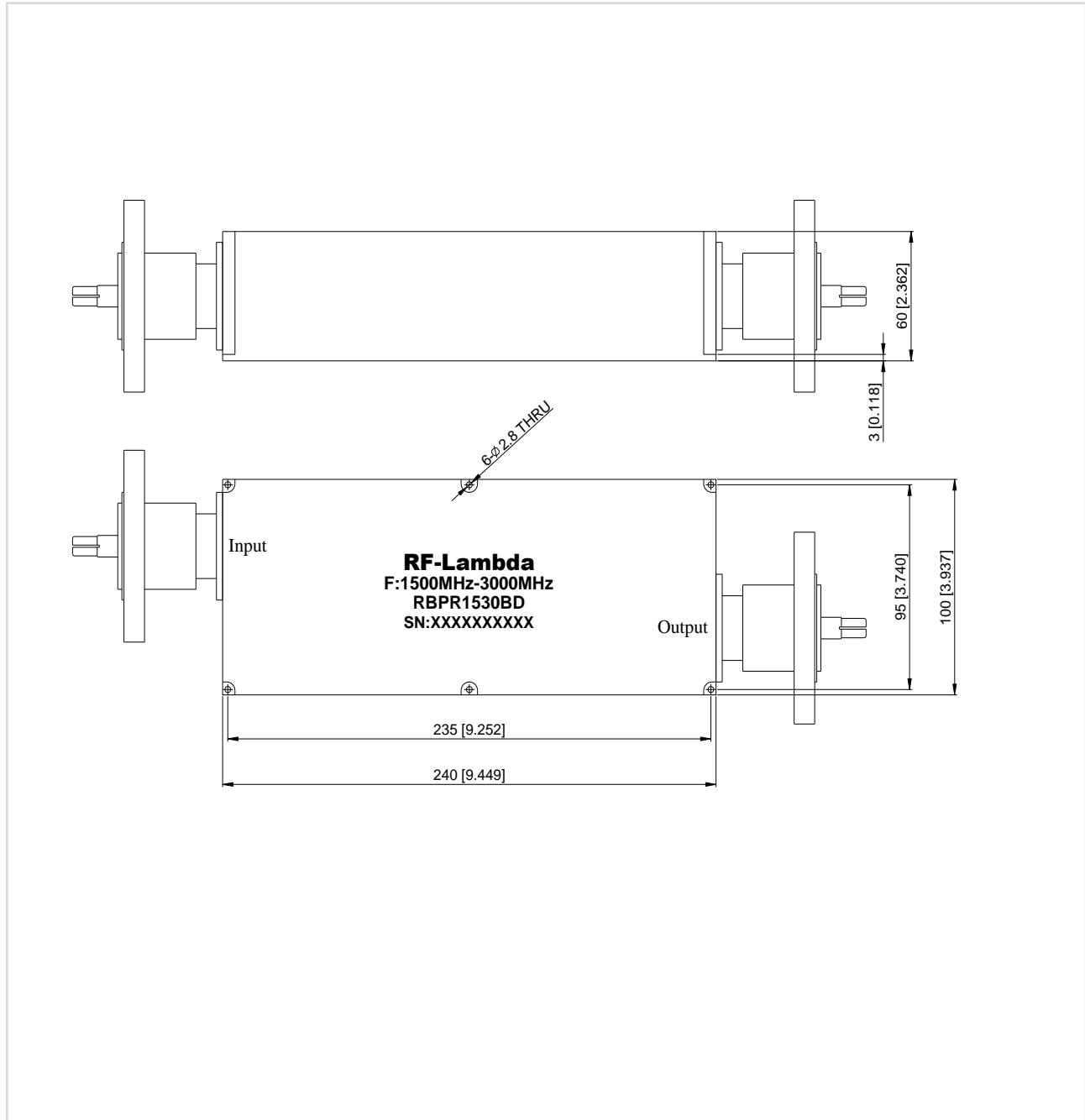
RF-LAMBDA

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RBPR1530BD

Outline Drawing:

All Dimensions in mm [inches]



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