



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RWCB28W4

Waveguide WR28 4-Way Power Combiner 26.4 ~ 40GHz (10-20% BW)



Features

- Low Insertion Loss
- Excellent Temperature Stability

Typical Applications

- Wireless Infrastructure
- RF Microwave & VSAT
- Military & Aerospace
- Test Instrument

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

Parameters	Min.	Typ.	Max.	Units
Frequency Range	26.4		40	GHz
Insertion Loss			0.8	dB
VSWR			1.20	: 1
Amp Balance			0.5	dB
Power Handling (CW)			200	W
Bandwidth	10-20 (Please Specify When Ordering)			%
Impedance	50			Ohms
Waveguide Type	WR28			
Flange type	Cover			
Flange Holes	Through			
Material	Aluminum			
Finish	Body painted with gray / black epoxy enamel			

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Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40°C~+85°C
Storage Temperature		-55°C~+125°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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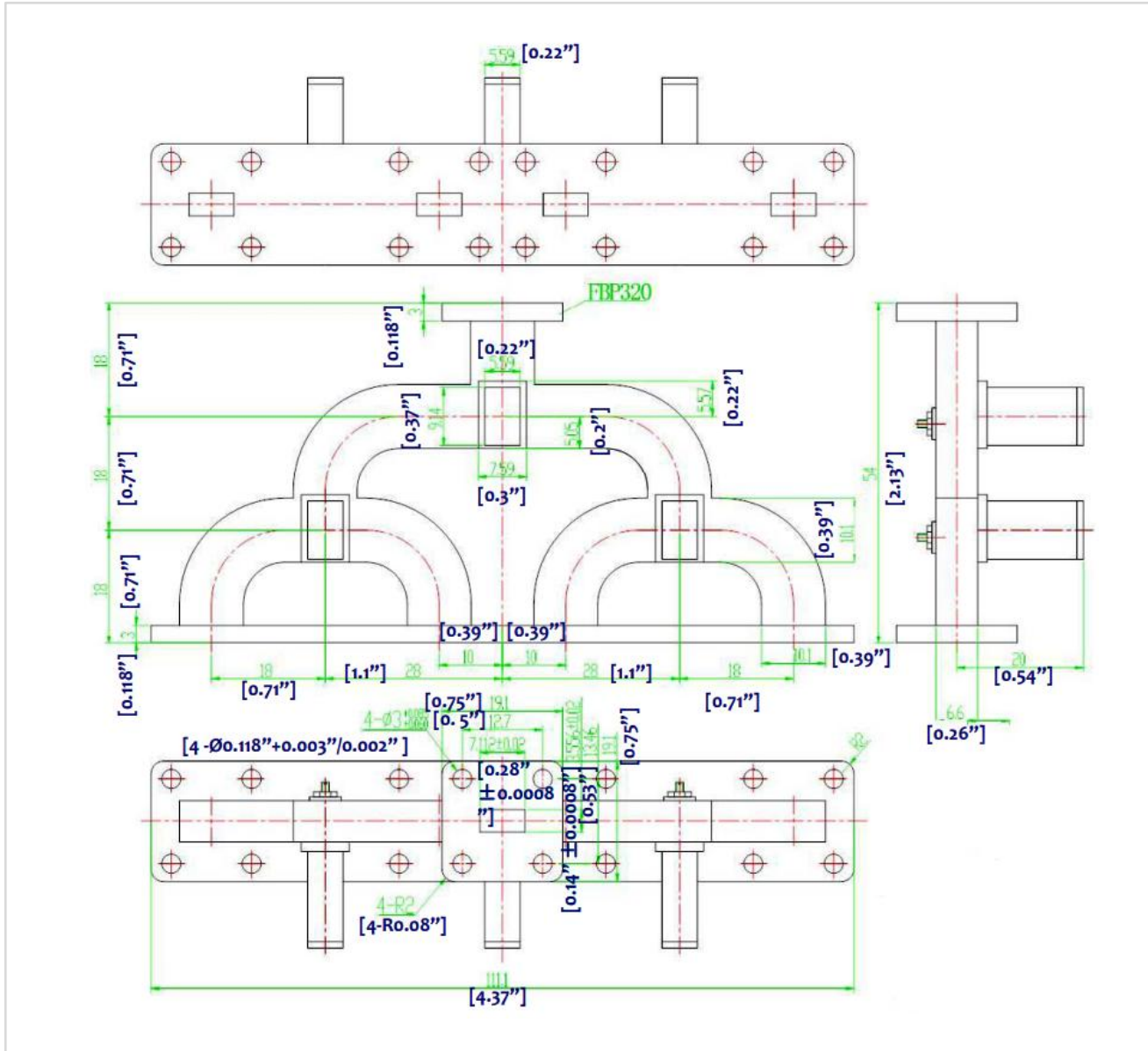
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Outline Drawing:

All Dimensions in mm [inches]



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