



30W 4-18GHz 0° 2-Way Power Divider

- High power handle capability up to 20W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Low temperature coefficient material offer stable performance over temperature
- Aerospace and military application
- LMDS multi-carrier operation
- High peak to average handle capability
- All specifications can be modified upon request



Electrical Specifications

Parameters		Min.	Typ.	Max.	Units
Frequency Range		4		18	GHz
Nominal Splitter Loss			3		dB
Insertion Loss			0.8	1.0	dB
Isolation		18	20		dB
Input VSWR			1.4	1.5	
Output VSWR			1.4	1.5	
Amplitude Unbalance			±0.2	±0.3	dB
Phase Unbalance			±3	±4	deg
Power Rating	Forward Power	30			W
	Reverse Power	1			W
	Peak Power	200			W
Impedance		50			Ohms
Weight		/			ounces
Operating Temperature		-45 to +85			°C
Input / Output Connector		N-Female			
Material		Aluminum			
Finishing		Gray Paint			

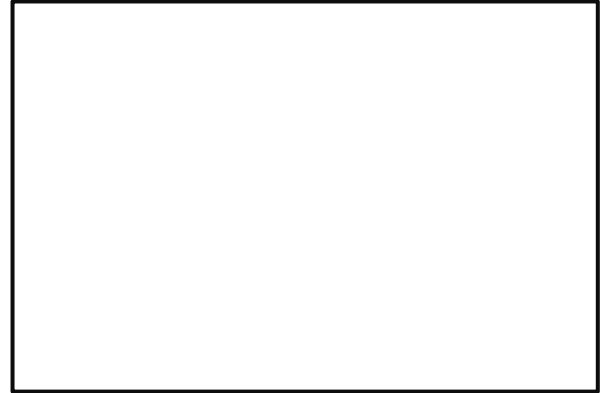


Environment specifications

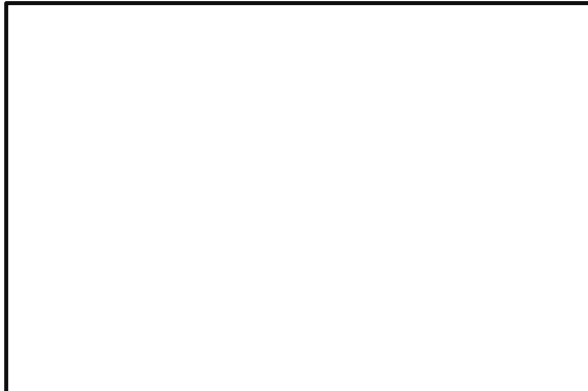
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25grms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave,3 axis both directions

Typical Performance Plots

Loss & Amplitude Unbalance



Input VSWR



Output VSWR



Isolation



Phase Unbalance

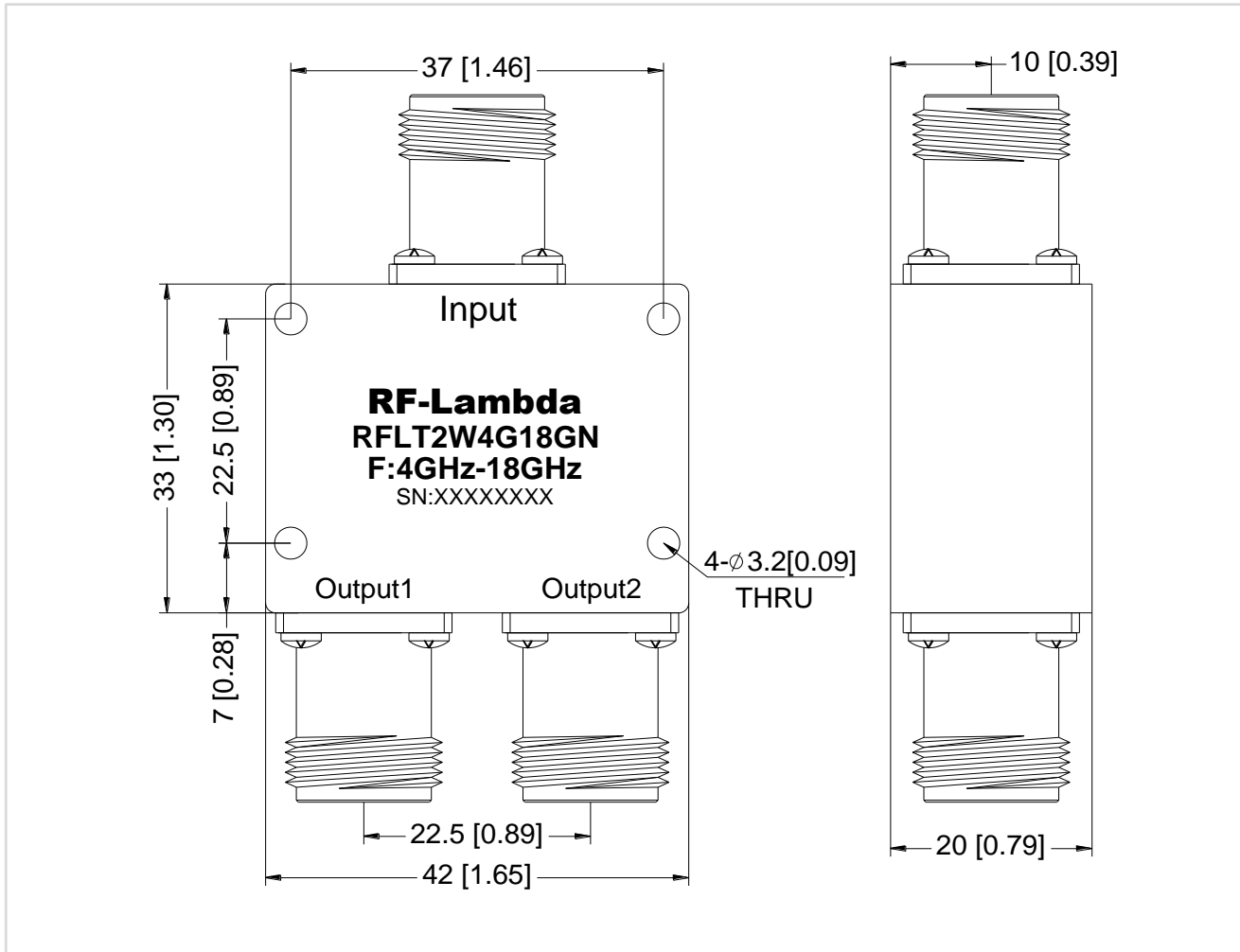




Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.3 (0.012)



Coaxial 30W 4-18GHz 0° 2-Way Power Divider

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