



RF-LAMBDA

LEADER OF BROADBAND SOLUTIONS

RFLT2W0002GS

10W 0.005-2GHz 0° 2-Way Power Divider



- High power handle capability up to 10W
- 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.	Min.	Typ.	Max.	Units
Frequency Range		0.005		0.1	0.1		2	GHz
Nominal Splitter Loss			3			3		dB
Insertion Loss			0.5	0.6		0.7	0.8	dB
Isolation		12	16		17	18		dB
Input VSWR			1.9	2		1.8	1.9	
Output VSWR			1.7	1.8		1.6	1.7	
Amplitude Unbalance			0.1	0.15		0.15	0.2	dB
Phase Unbalance			1	2		2	3	deg
Power Rating	Forward Power	10						W
	Reverse Power	1						W
	Peak Power	100						W
Impedance		50						Ohms
Weight		1.5						Ounces
Operating Temperature		-20 to +60						°C
Input / Output Connector		SMA-Female						
Material		Aluminum						
Finishing		Chromate Finish Aluminum						

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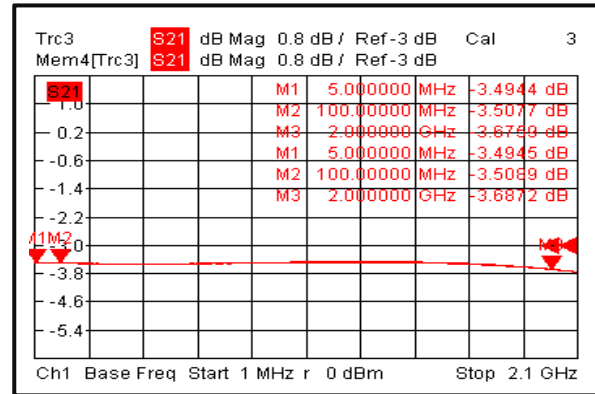
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Environment specifications

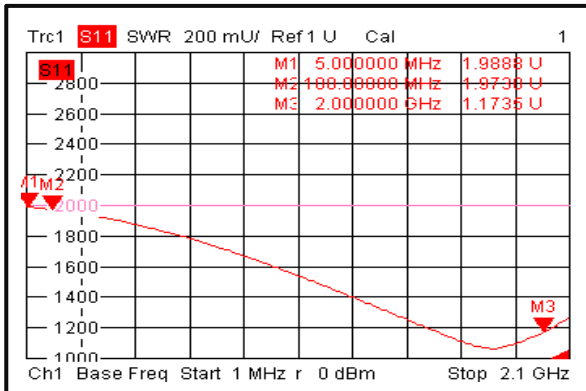
Operational Temperature (°C)	-20 to +60
Storage Temperature (°C)	-25 to +70
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave,3 axis both directions

Typical Performance Plots

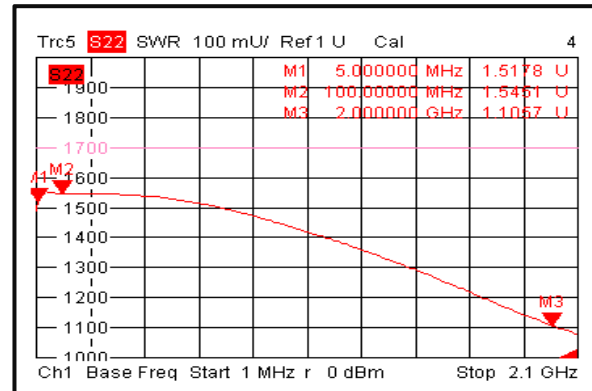
Loss & Amplitude Unbalance



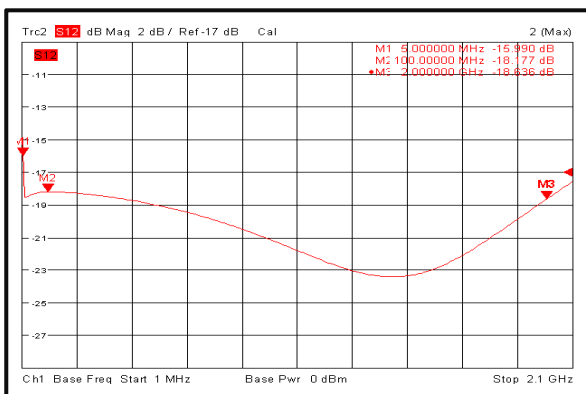
Input VSWR



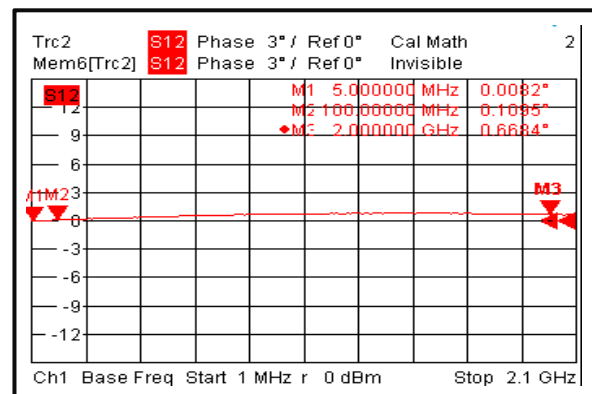
Output VSWR



Isolation



Phase Unbalance



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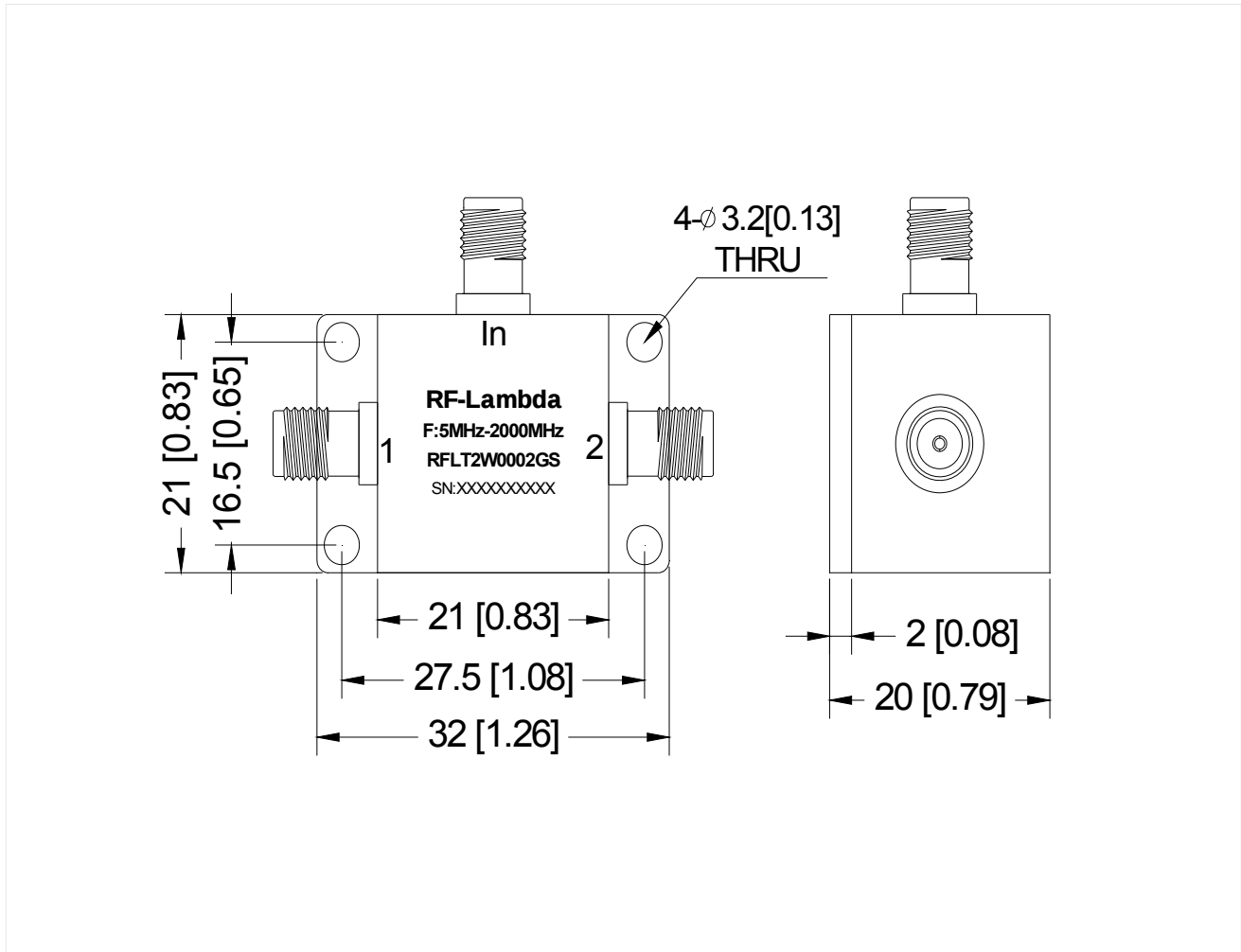
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Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.15 (0.006)



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