



30 W 0.5-6GHz 0°4-Way Power Divider



- High power handle capability up to 30W
- 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	0.5		2	2		6	MHz
Nominal Splitter Loss		6			6		dB
Insertion Loss		0.7	1.0		1.5	1.8	dB
Isolation	19	20		19	20		dB
Input VSWR		1.35	1.4		1.35	1.4	
Output VSWR		1.3	1.4		1.3	1.4	
Amplitude Unbalance		±0.2	±0.3		±0.25	±0.3	dB
Phase Unbalance		±3	±4		±3	±4	deg
Power Rating	Forward Power	30					W
	Reverse Power	2					W
	Peak Power	0.3					KW
Impedance	50					Ohms	
Weight	4.25					Ounces	
Operating Temperature	-45 to +85					°C	
Input / Output Connector	SMA-Female						
Material	Aluminum						
Finishing	Gray Paint						

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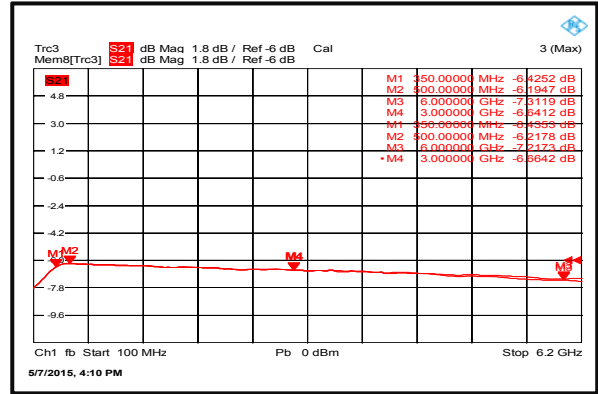


Environment specifications

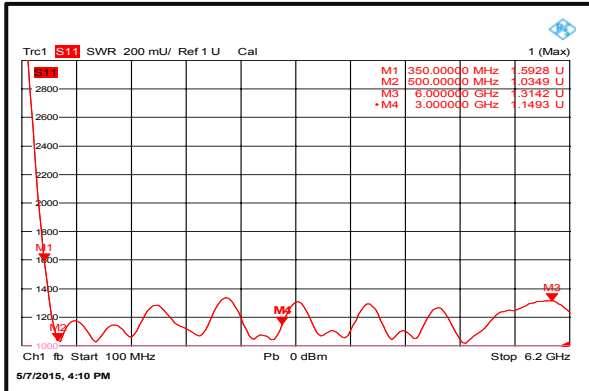
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH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

Typical Performance Plots

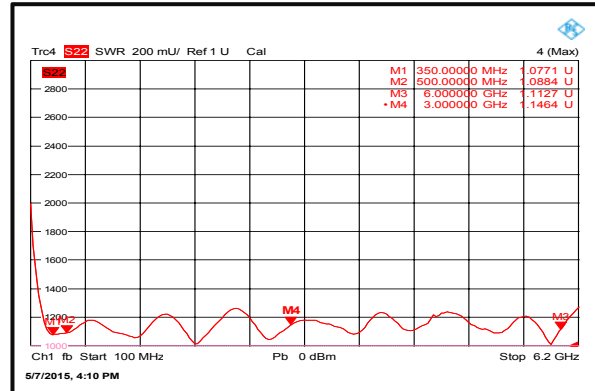
Loss & Amplitude Unbalance



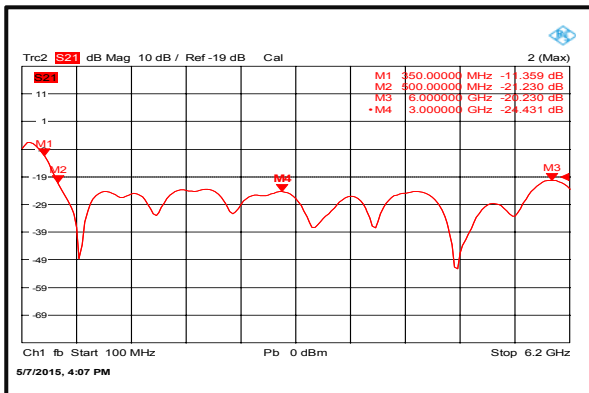
Input VSWR



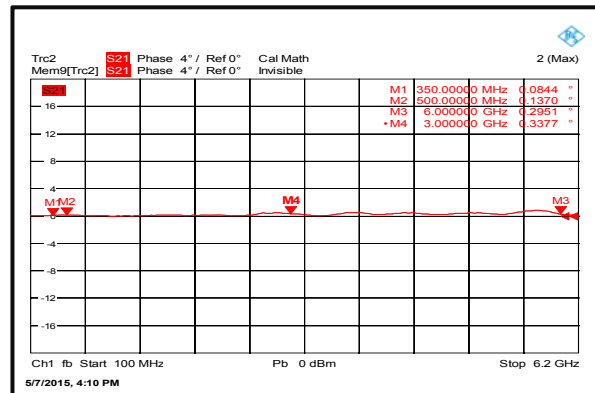
Output VSWR



Isolation



Phase Unbalance

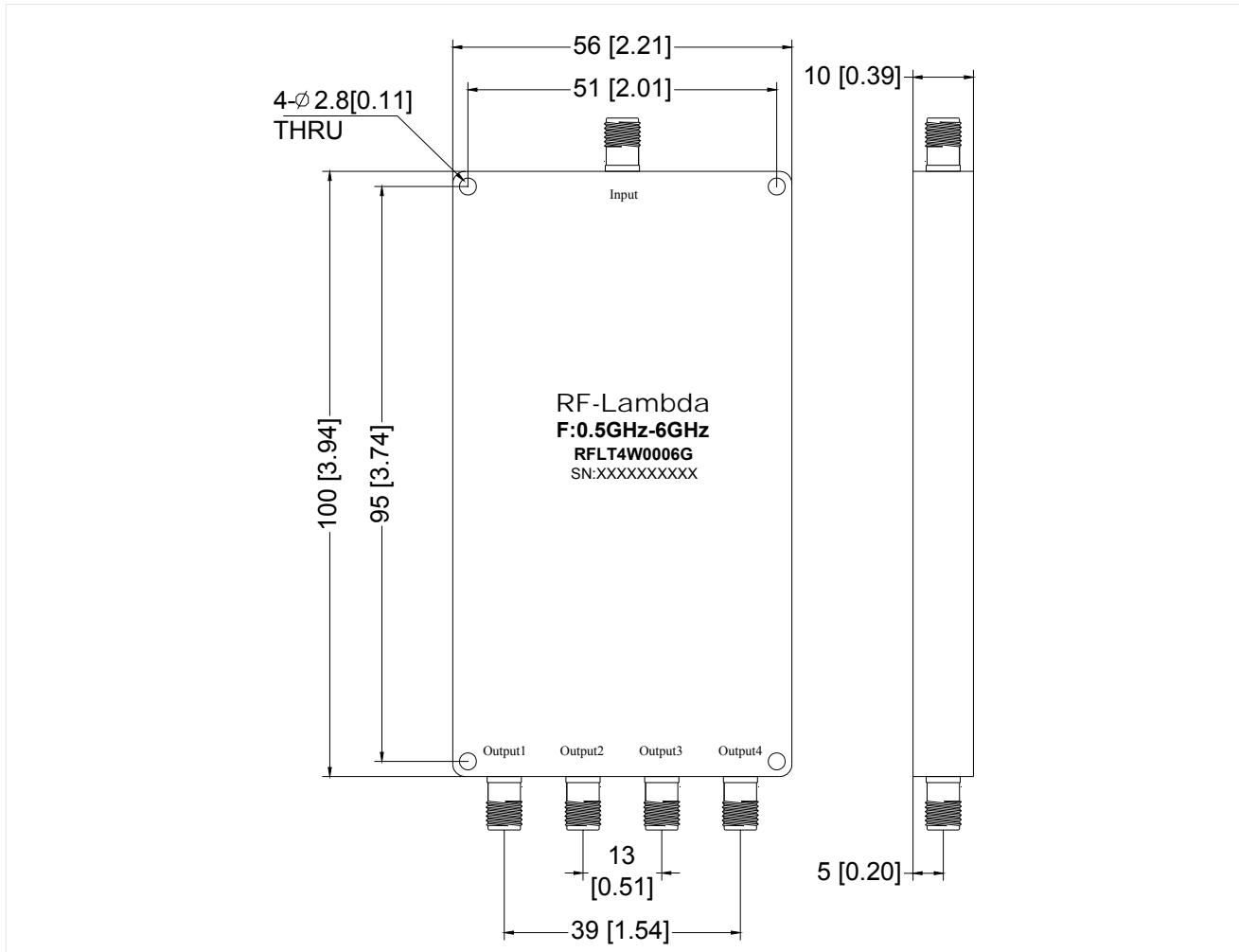




Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.25 (0.01)



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