



RF-LAMBDA

LEADER OF BROADBAND SOLUTIONS

RFLT2W0006G

30 W 0.5-2GHz 0°2-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	GHz
Nominal Splitter Loss			3			3		dB
Insertion Loss			0.6	0.8		0.8		dB
Isolation			18			18		dB
Input VSWR				1.4			1.4	
Output VSWR			1.2	1.3		1.25	1.3	
Amplitude Unbalance				0.2			0.2	dB
Phase Unbalance				3			3	deg
Power Rating	Forward Power	30						W
	Reverse Power	2						W
	Peak Power	0.3						KW
Impedance		50						Ohms
Weight		2.85						Ounces
Operating Temperature		-45 to +85						°C
Input / Output Connector		SMA-Female						
Material		Aluminum						
Finishing		Gray Paint						

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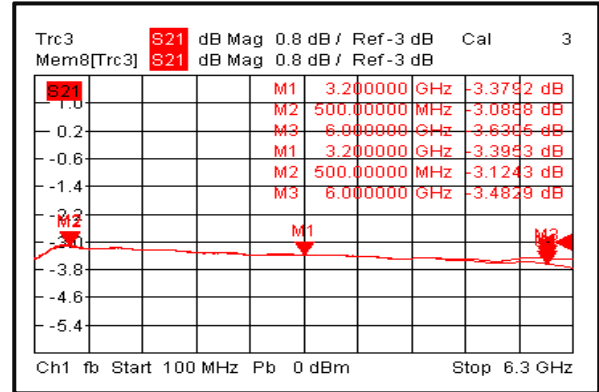
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Environment specifications

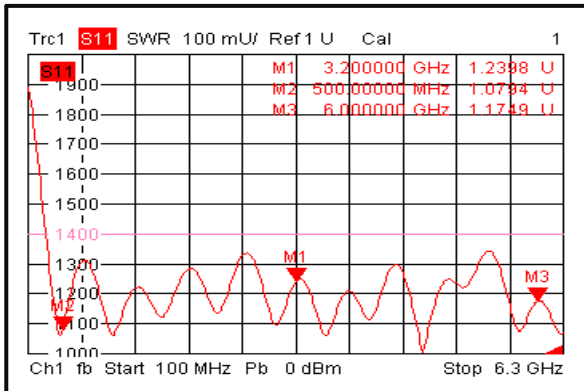
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH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

Typical Performance Plots

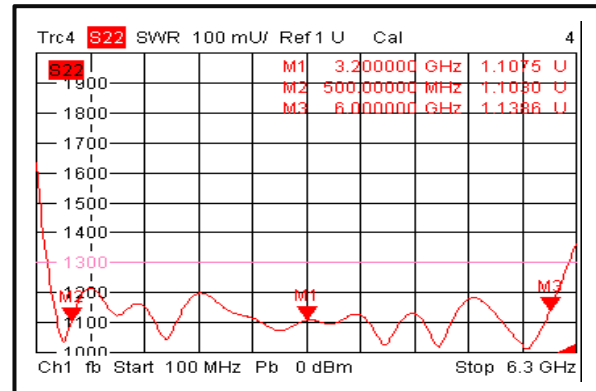
Loss & Amplitude Unbalance



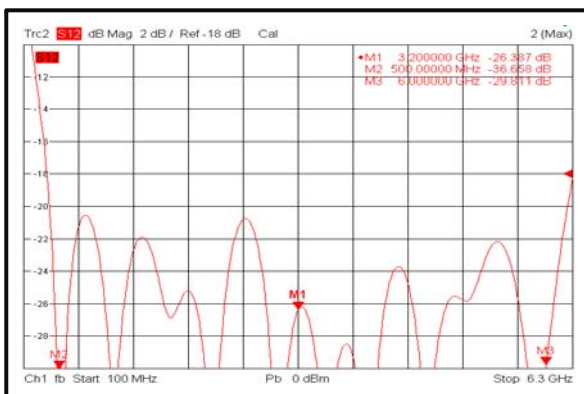
Input VSWR



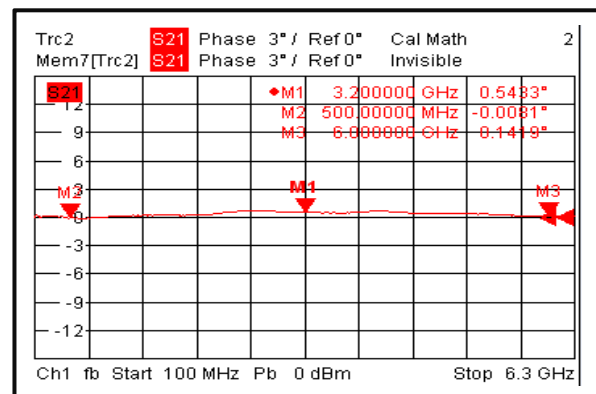
Output VSWR



Isolation



Phase Unbalance



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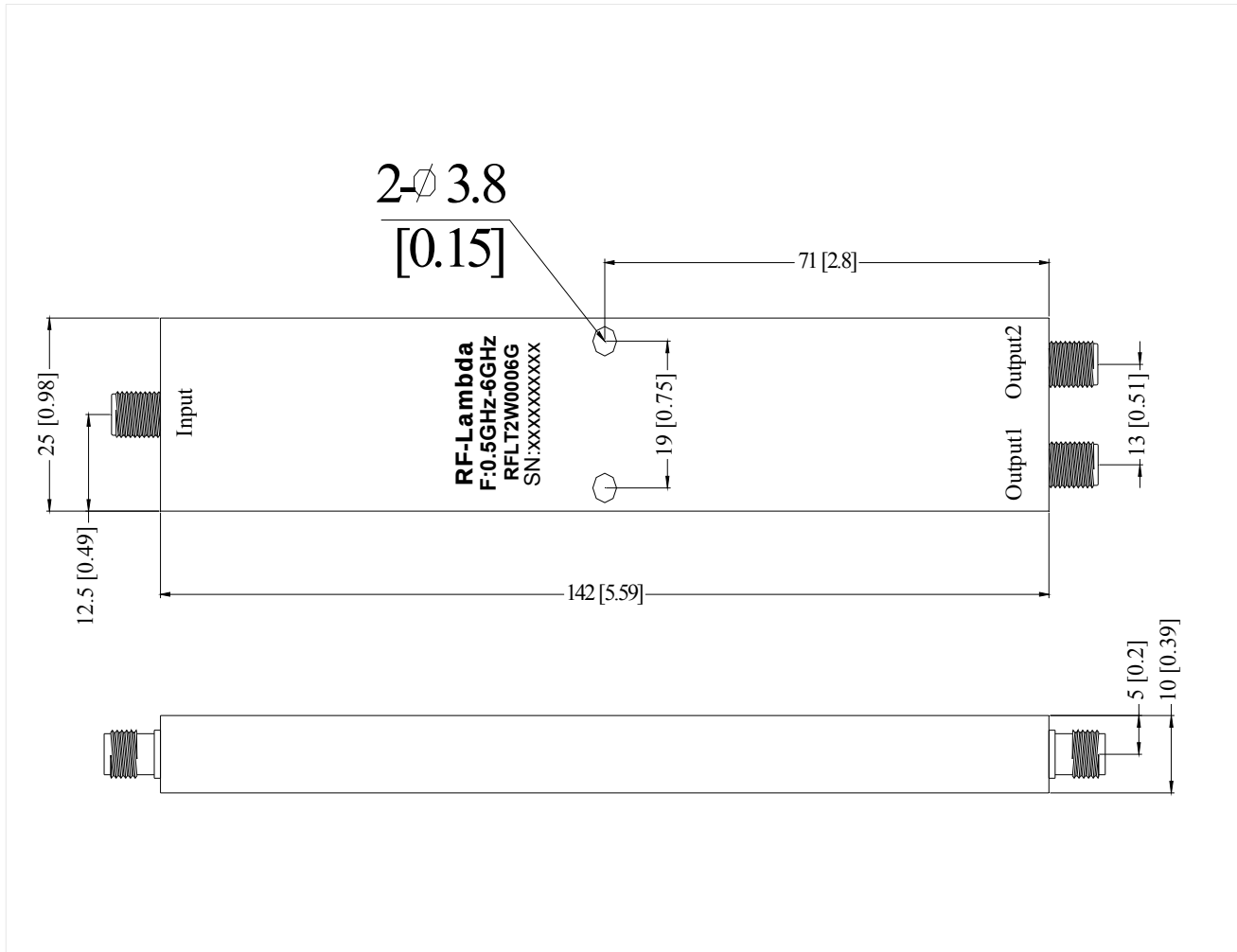
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Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.25 (0.01)



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