



RF-LAMBDA

LEADER OF BROADBAND SOLUTIONS

RFLT2W6G40G

20W 6-40GHz 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.	Min.	Typ.	Max.	Units
Frequency Range		6		26.5	26.5		40	GHz
Nominal Splitter Loss			3			3		dB
Insertion Loss			0.7	1.0		1.0	1.3	dB
Isolation		16	19		16	18		dB
Input VSWR			1.4	1.7		1.4	1.6	
Output VSWR			1.4	1.5		1.4	1.5	
Amplitude Unbalance			0.2	0.3		3	0.4	dB
Phase Unbalance			3	4		4	5	deg
Power Rating	Forward Power	20						W
	Reverse Power	1						W
	Peak Power	200						W
Impedance		50						Ohms
Weight		0.6						Ounces
Operating Temperature		-45 to +85						°C
Input / Output Connector		2.92-Female						
Material		Aluminum						
Finishing		Gray Paint						

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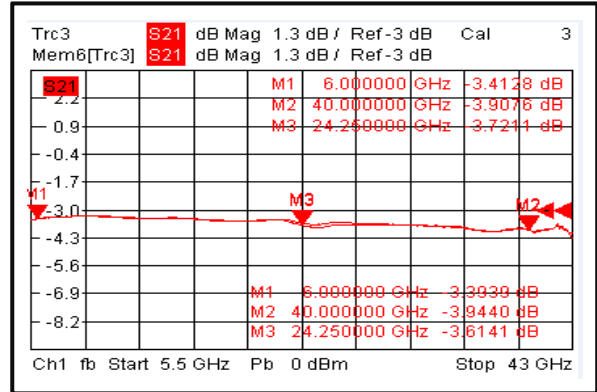
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Environment specifications

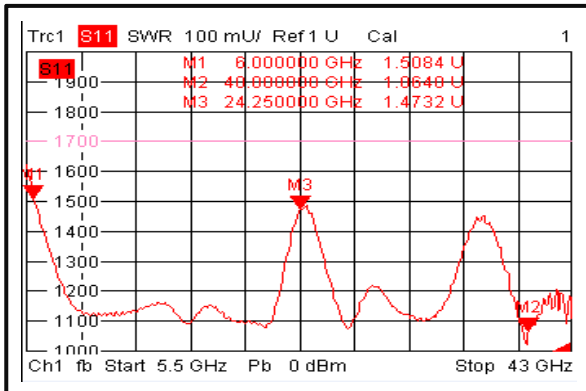
Operational Temperature (°C)	-45°C to +85°C
Storage Temperature (°C)	-55°C to +125°C
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25grms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c,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

Typical Performance Plots

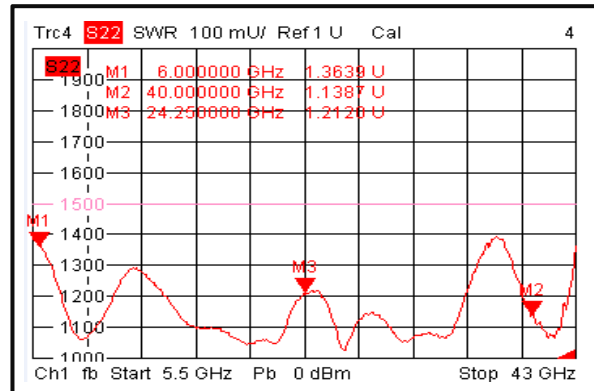
Loss & Amplitude Unbalance



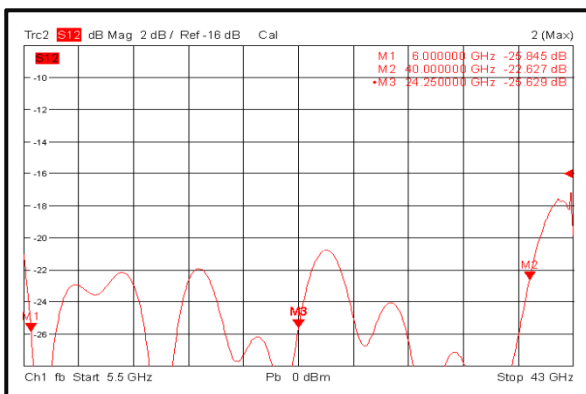
Input VSWR



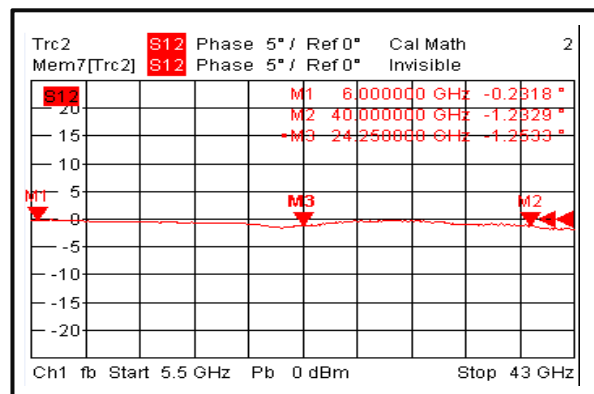
Output VSWR



Isolation



Phase Unbalance



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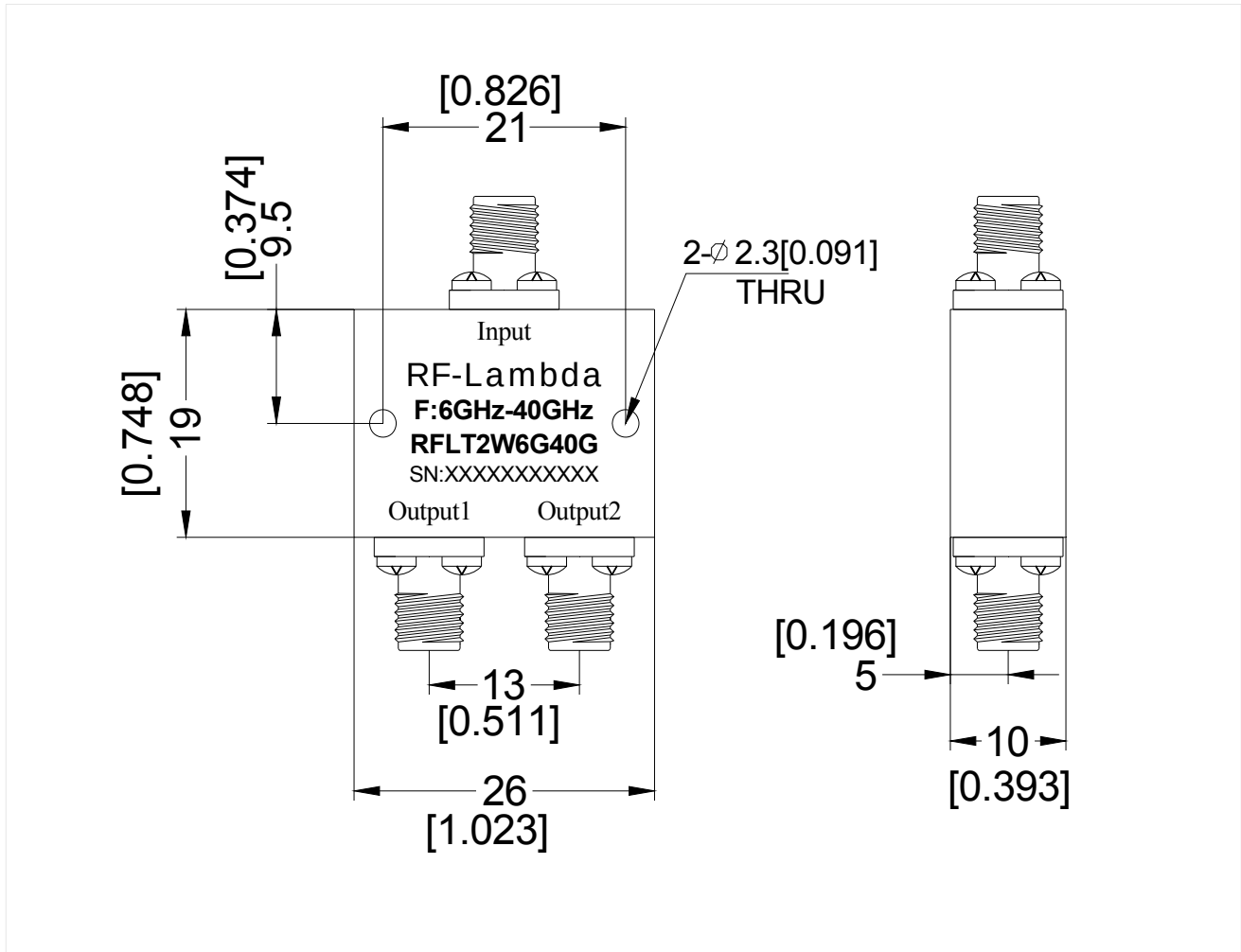
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Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.15 (0.006)



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