



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFLT2W6G40G

Coaxial 20W 0° 2-Way Power Divider 6 - 40GHz



Features

- High power handling up to 20W
- Wide band operation
- High isolation within operational band
- Low Insertion Loss
- Stable performance over temperature
- Aerospace and military applications
- LMDS multi-carrier operation
- High peak to average handling capability
- All specifications can be modified upon request

Electrical Specifications, $T_A=25^\circ\text{C}$

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	: 1
Output VSWR			1.4	1.5		1.4	1.5	: 1
Amplitude Imbalance			0.2	0.3		0.3	0.4	dB
Phase Imbalance			3	4		4	5	deg
Power Rating	Forward Power	20						W
	Reverse Power	0.5						W
	Peak Power	200						W
Impedance		50						Ohms
Weight		0.71						Ounces
Input / Output Connectors		2.92-Female						
Material		Aluminum						
Finish		Blue Paint						

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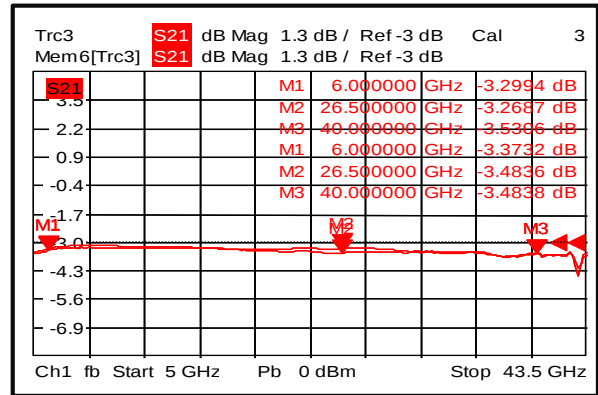
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Environmental Specifications

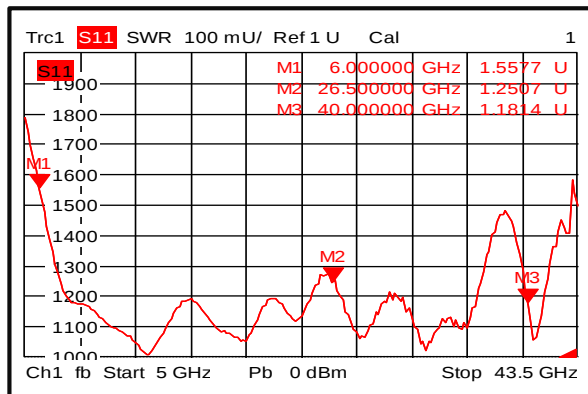
Operational Temperature (°C)	-45°C to +85°C
Storage Temperature (°C)	-55°C to +125°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100%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

Typical Performance Plots

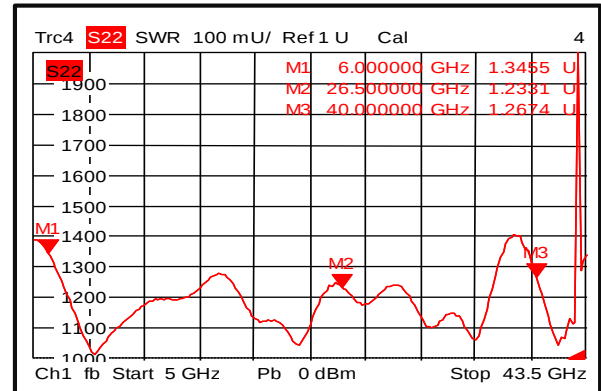
Loss & Amplitude Imbalance



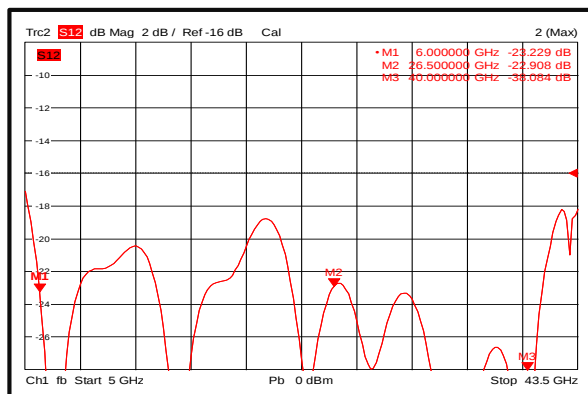
Input VSWR



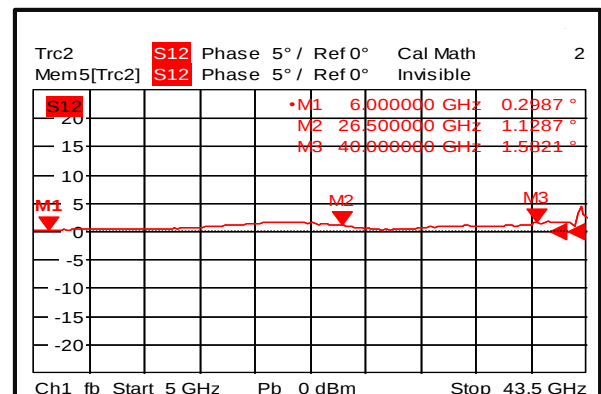
Output VSWR



Isolation



Phase Imbalance



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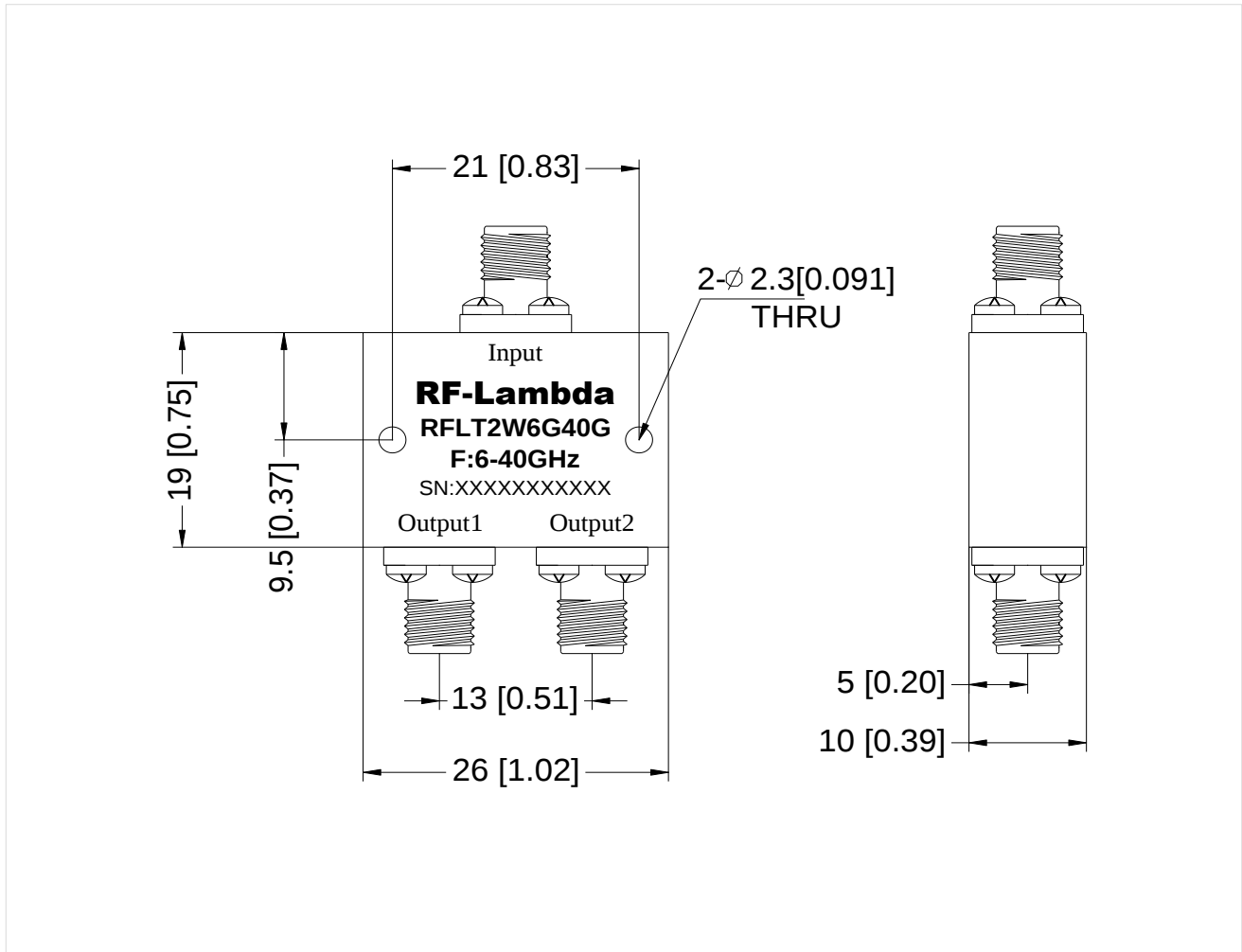
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Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.15 [0.006]



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