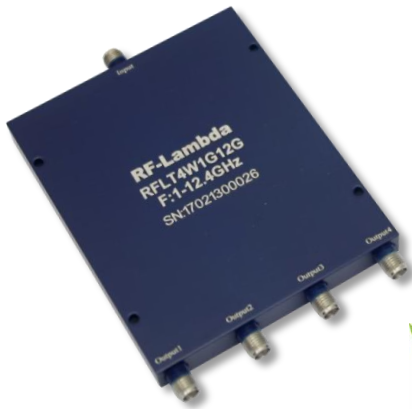




### Coaxial 30W 0° 4-Way Power Divider 1 – 12.4GHz



#### Features

- High power handling up to 30W
- Ultra Wide band operation
- High isolation within operational band
- Low Insertion Loss
- Stable performance over temperature
- High peak to average handling capability

#### Typical Applications

- Aerospace and military applications
- LMDS multi-carrier operation

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

Parameters		Min	Typ	Max	Min	Typ	Max	Units
Frequency Range		1		6	6		12.4	GHz
Nominal Splitter Loss			6			6		dB
Insertion Loss			1.0	1.5		1.8	2.0	dB
Isolation		18	22		16	18		dB
Input VSWR			1.4	1.5		1.4	1.5	: 1
Output VSWR			1.25	1.3		1.25	1.3	: 1
Amplitude Imbalance			±0.2	±0.4		±0.3	±0.5	dB
Phase Imbalance			±2	±4		±4	±6	deg
Power Rating	Forward Power	30						W
	Reverse Power	1						W
	Peak Power	300						W
Impedance		50						Ohms
Weight		5.64						Ounces
Input / Output Connectors		SMA-Female						
Material		Aluminum						
Finishing		Blue Paint						

Coaxial 30W 0° 4-Way Power Divider 1 – 12.4GHz

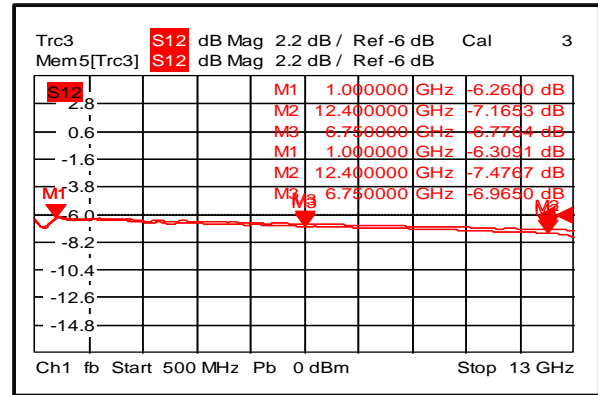


### Environmental Specifications

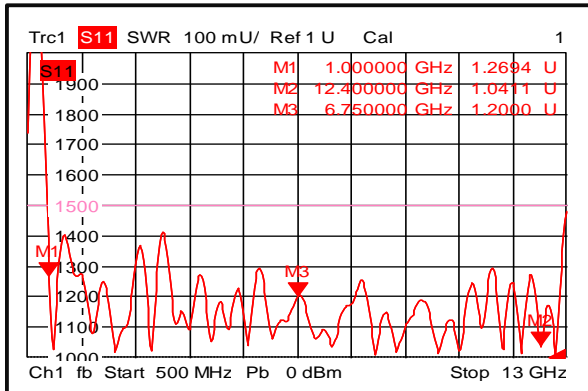
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Uncontrolled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c,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

### Typical Performance Plots

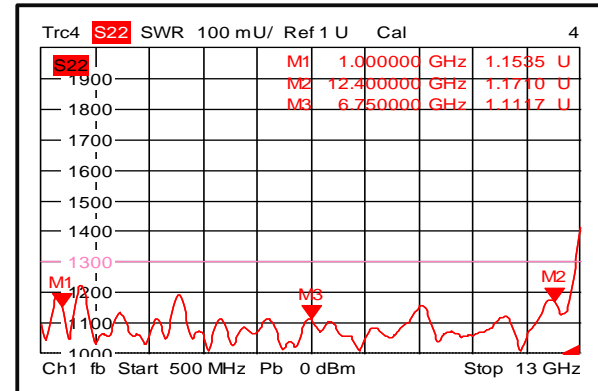
#### Loss & Amplitude Imbalance



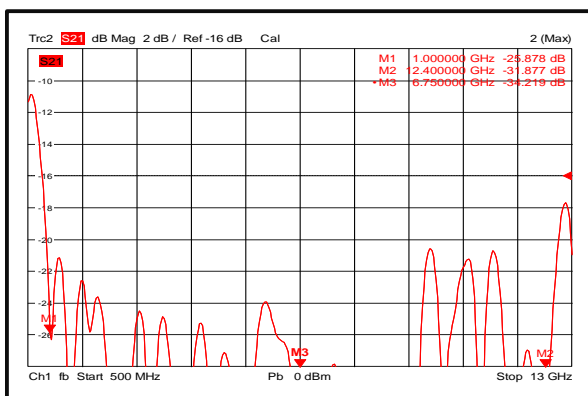
### Input VSWR



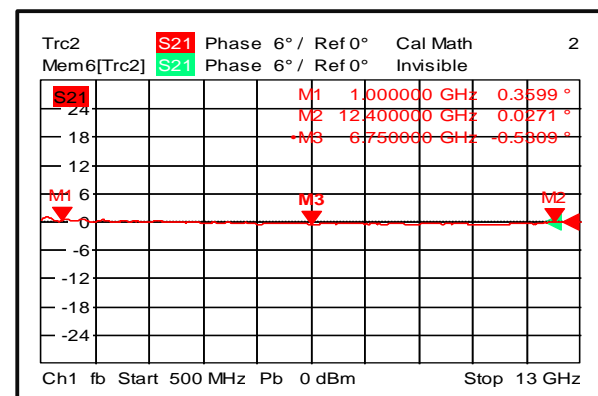
### Output VSWR



### Isolation



### Phase Imbalance



Coaxial 30W 0° 4-Way Power Divider 1 -- 12.4GHz



# RF-LAMBDA

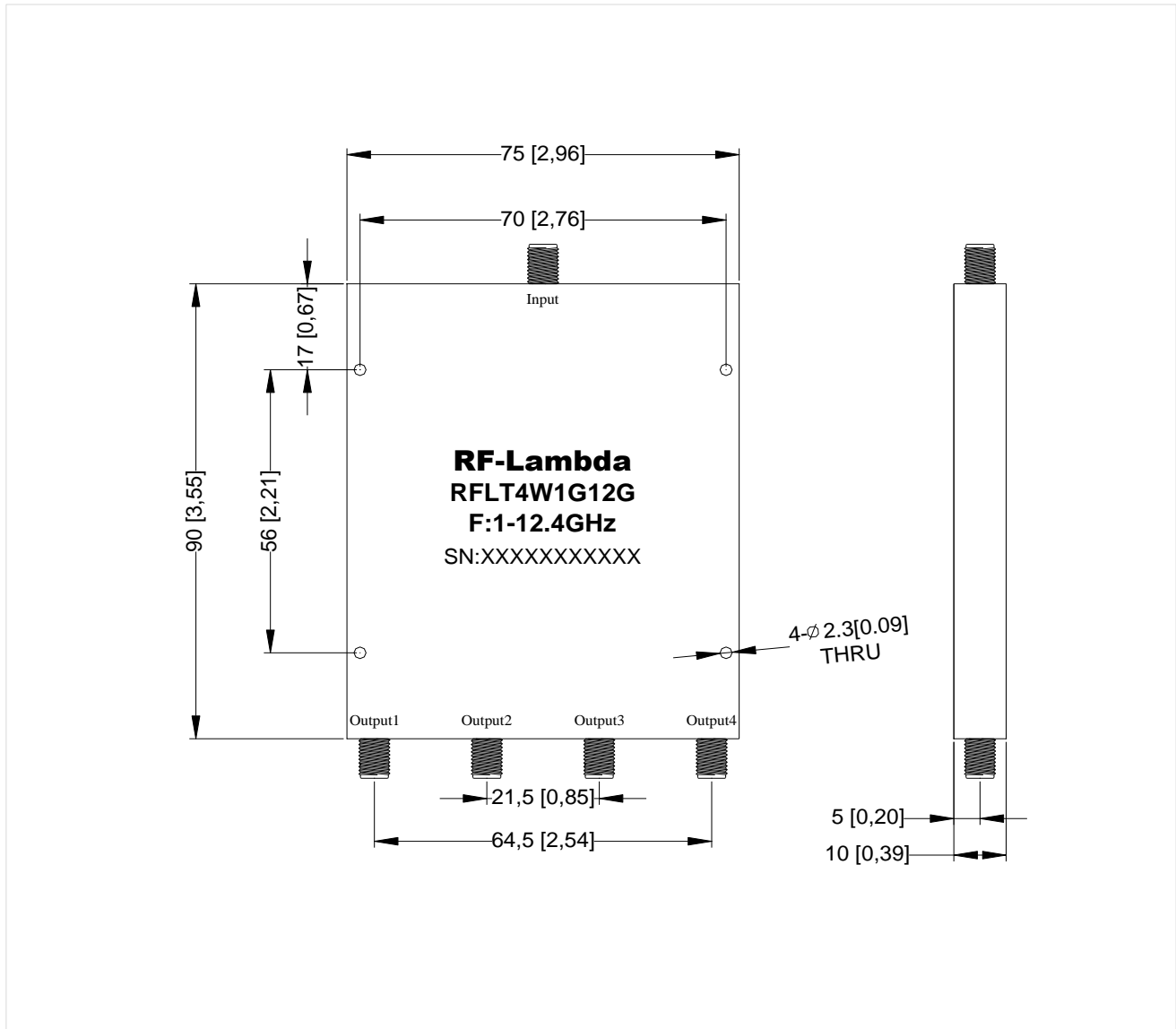
LEADER OF RF BROADBAND SOLUTIONS

## RFLT4W1G12G

### Outline Drawing:

All Dimensions in mm [inches]

Tolerance  $\pm 0.25$  [0.001]



Coaxial 30W 0° 4-Way Power Divider 1 – 12.4GHz

### Important Notice

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