



### 20W 1-40GHz 0° 2-Way Power Divider



- High power handle capability up to 20W
- Ultra 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.		Units	
		1	12.4	12.4	26.5	26.5	40			
Frequency Range		1	12.4	12.4	26.5	26.5	40		GHz	
Nominal Splitter Loss		3		3		3			dB	
Insertion Loss		1.0	1.5	1.5	1.8	1.8	2.2		dB	
Isolation		15	18	15	18	15	18		dB	
Input VSWR		1.5	2.0	1.6	1.8	1.5	1.8			
Output VSWR		1.4	1.7	1.4	1.7	1.4	1.7			
Amplitude Unbalance		0.2	0.3	0.4	0.5	0.4	0.5		dB	
Phase Unbalance		4	5	5	6	6	8		deg	
Power Rating	Forward Power	20								W
	Reverse Power	1								W
	Peak Power	200								W
Impedance		50								Ohms
Weight		3								ounces
Operating Temperature		-45 to +85								°C
Input / Output Connector		2.92mm-Female								
Material		Aluminum								
Finishing		Gray Paint								

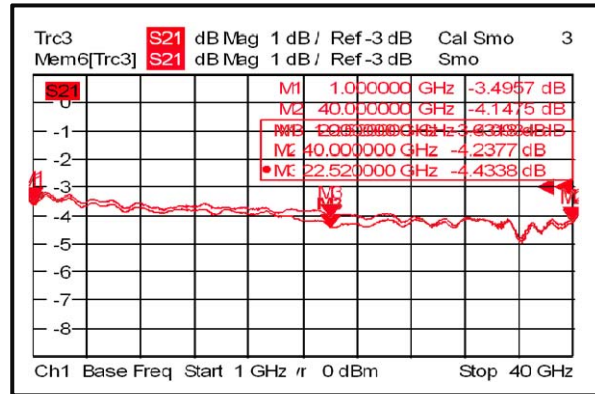


### Environment specifications

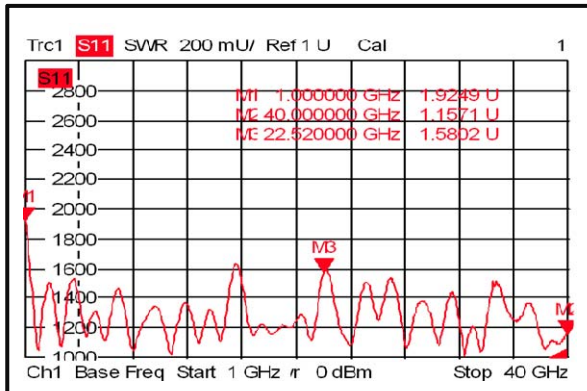
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) ( Optional )
Vibration	25grms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH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

### Typical Performance Plots

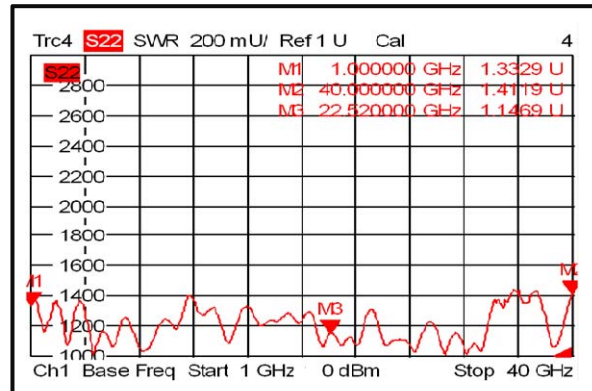
#### Loss & Amplitude Unbalance



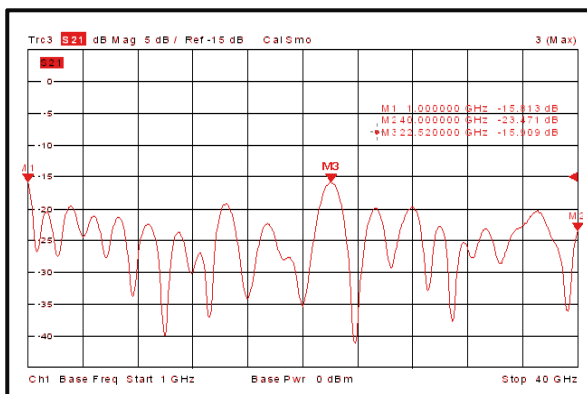
### Input VSWR



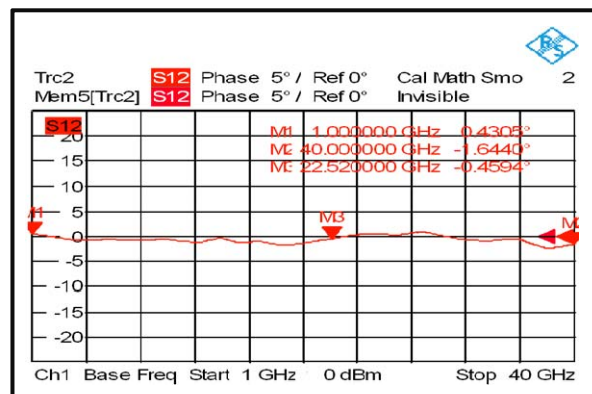
### Output VSWR



### Isolation



### Phase Unbalance

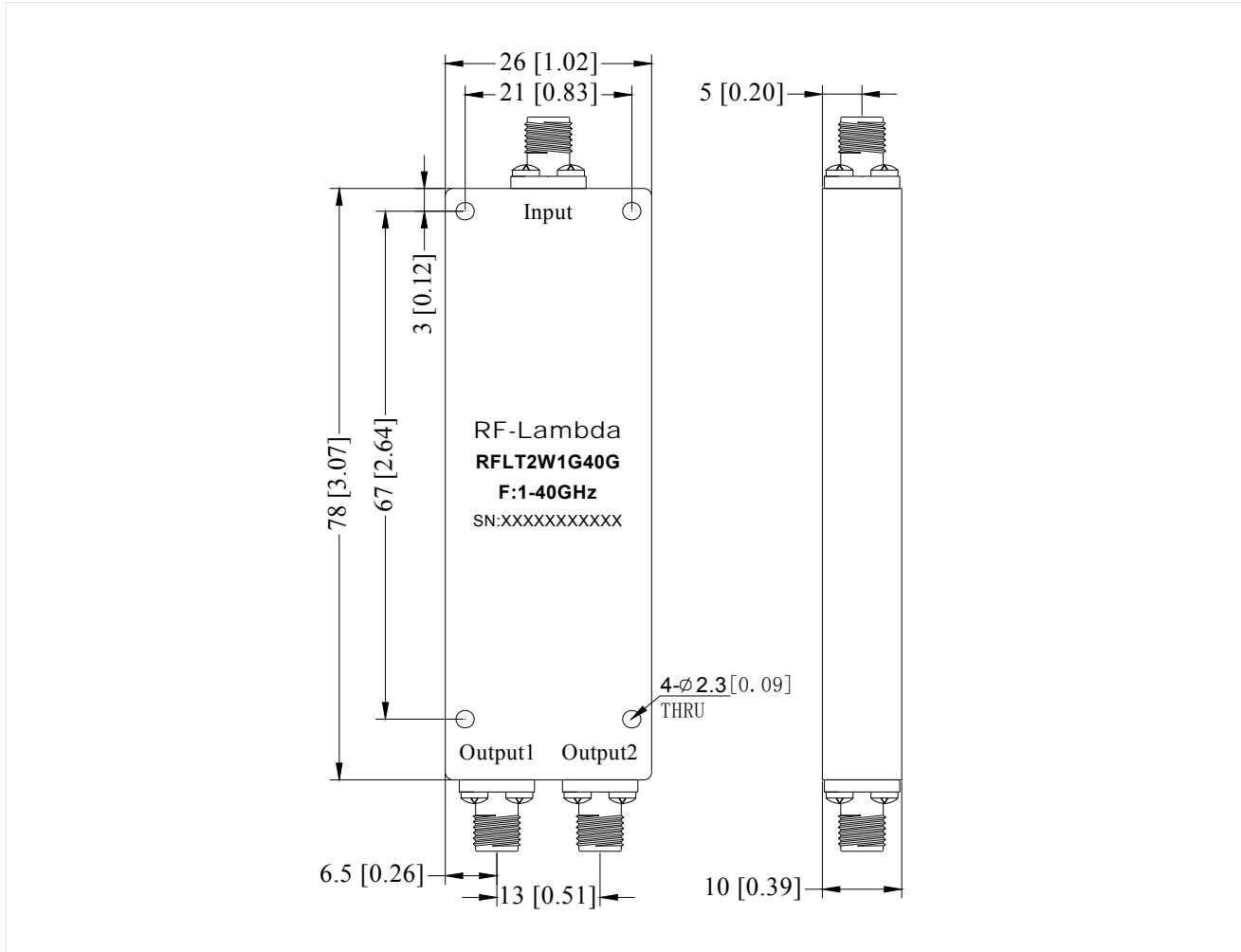




### Outline Drawing:

All Dimensions in mm (inches)

Tolerance  $\pm 0.25$  (0.01)



Coaxial 20W 1-40GHz 0° 2-Way Power Divider

### Important Notice

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