



### Coaxial 30W 0° 2-Way Power Divider 2 - 8GHz



#### Features

- High power handling up to 30W
- 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	2		4	4		8	GHz
Nominal Splitter Loss		3			3		dB
Insertion Loss		0.3	0.4		0.5	0.6	dB
Isolation	20	22		20	24		dB
Input VSWR		1.25	1.3		1.25	1.3	:1
Output VSWR		1.15	1.2		1.15	1.2	:1
Amplitude Imbalance		0.1	0.2		0.2	0.3	dB
Phase Imbalance		1.5	2		2	3	deg
Power Rating	Forward Power	30					W
	Reverse Power	2					W
	Peak Power	0.2					KW
Impedance	50					Ohms	
Weight	0.71					Ounces	
Input / Output Connectors	SMA-Female						
Material	Aluminum						
Finishing	Blue Paint						

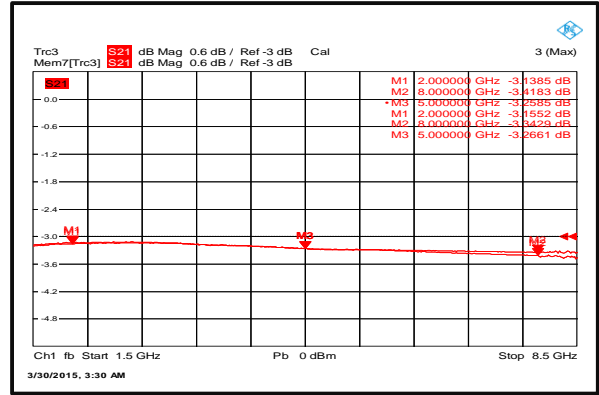


**Environmental Specifications**

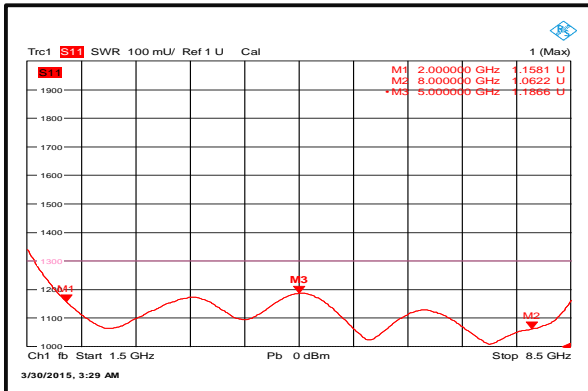
Operational Temperature (°C)	-45 ~ +85
Storage Temperature (°C)	-55 ~ +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c,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

**Typical Performance Plots**

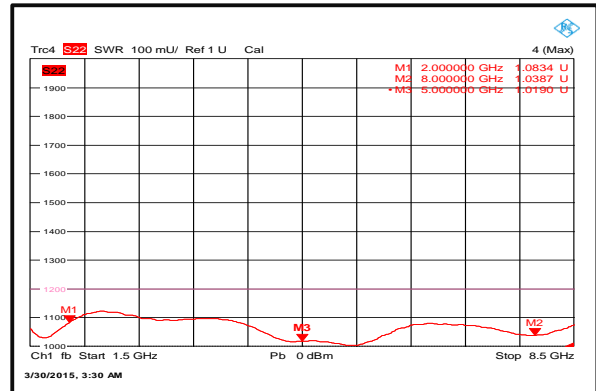
**Loss & Amplitude Imbalance**



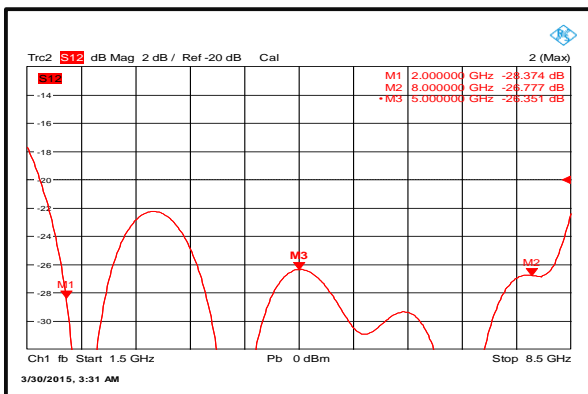
**Input VSWR**



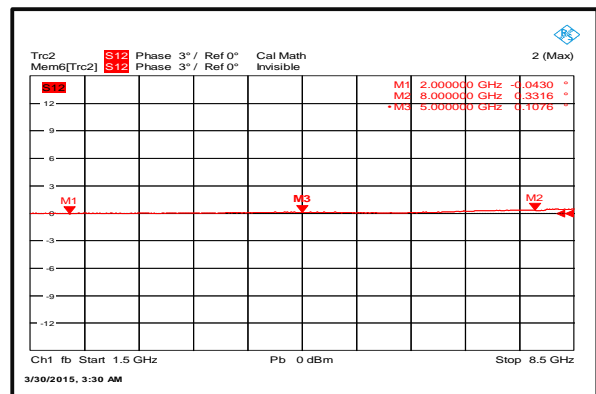
**Output VSWR**



**Isolation**



**Phase Imbalance**





# RF-LAMBDA

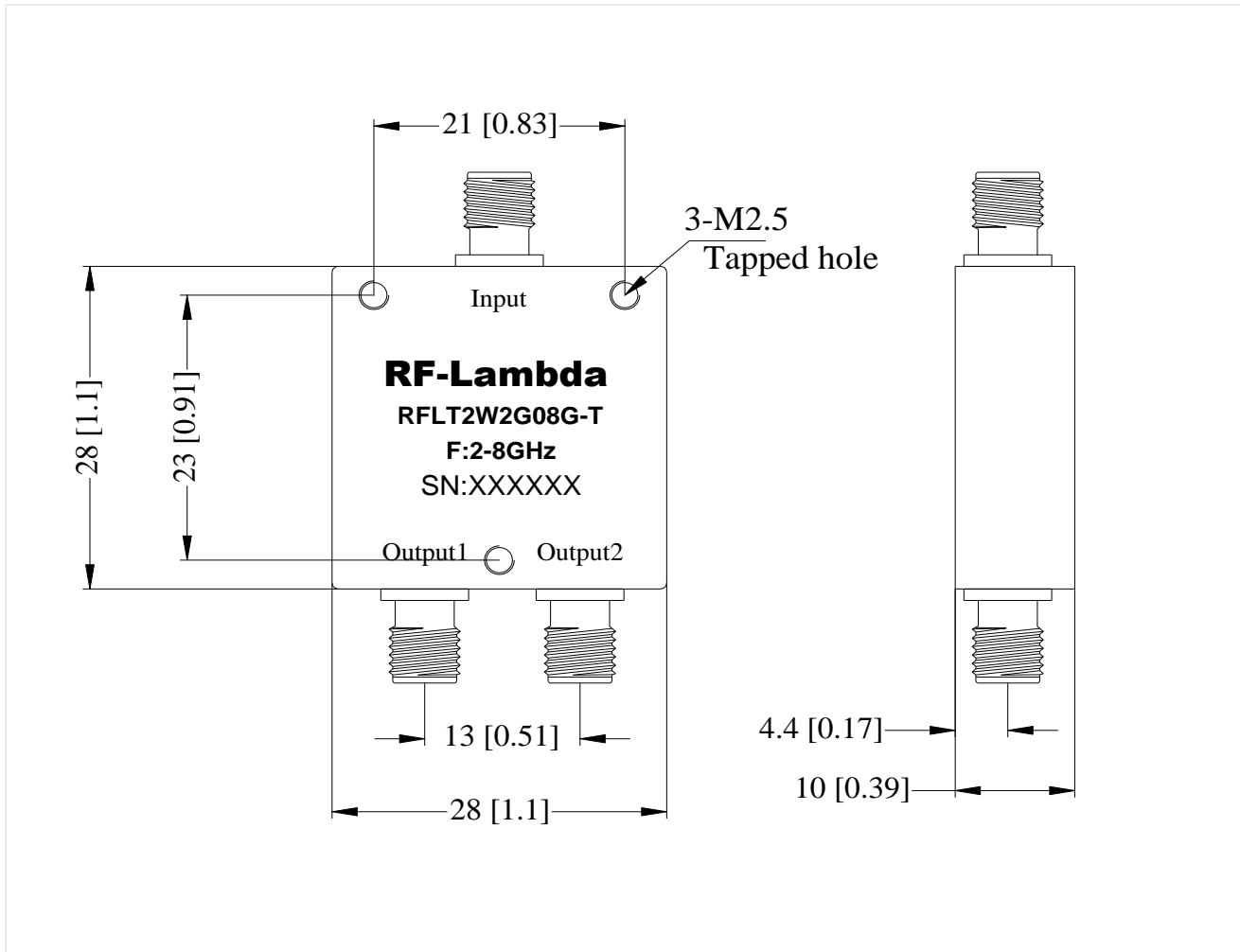
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## RFLT2W2G08G-T

### Outline Drawing:

All Dimensions in mm [inches]

Tolerance  $\pm 0.25$  [0.01]



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