



## Coaxial 30W 0° 3-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
- 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		2		4	4		8	GHz
Nominal Splitter Loss			4.8			4.8		dB
Insertion Loss			0.5	0.7		0.8	1.0	dB
Isolation		18	20		18	20		dB
Input VSWR			1.3	1.35		1.35	1.4	: 1
Output VSWR			1.25	1.3		1.25	1.3	: 1
Amplitude Imbalance			±0.3	±0.4		±0.4	±0.6	dB
Phase Imbalance			±3	±4		±3	±4	deg
Power Rating	Forward Power	30						W
	Reverse Power	2						W
	Peak Power	300						W
Impedance		50						Ohms
Weight		2.12						ounces
Input / Output Connectors		SMA - Female						
Material		Aluminum						
Finishing		Blue Paint						

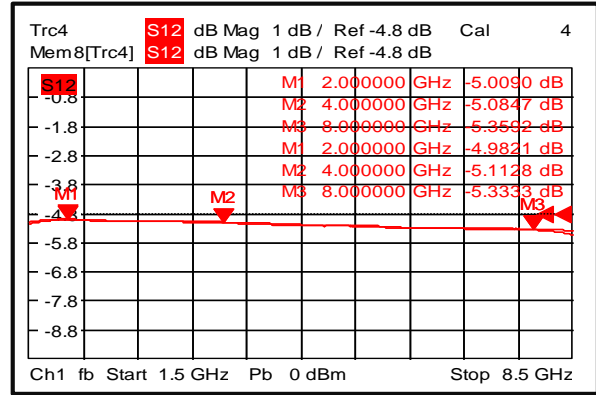


**Environmental Specifications**

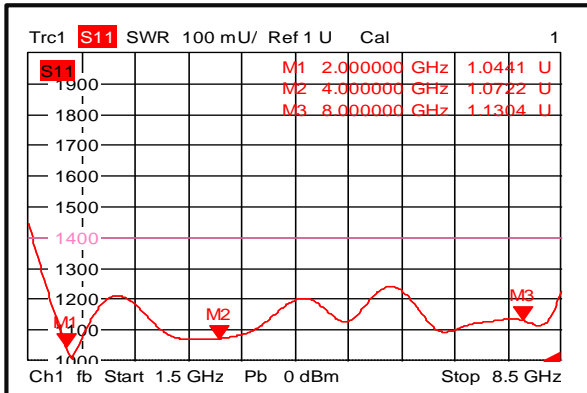
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Uncontrolled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c,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

**Typical Performance Plots**

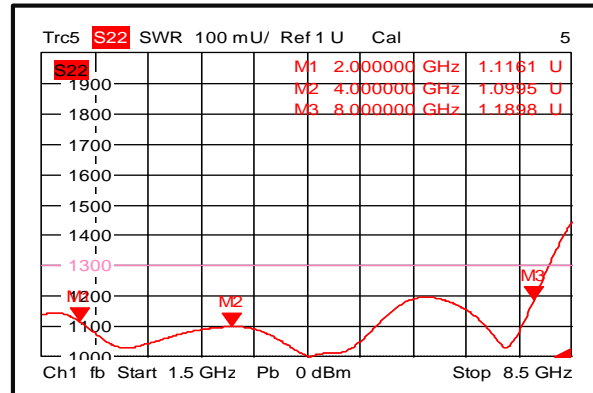
**Loss & Amplitude Imbalance**



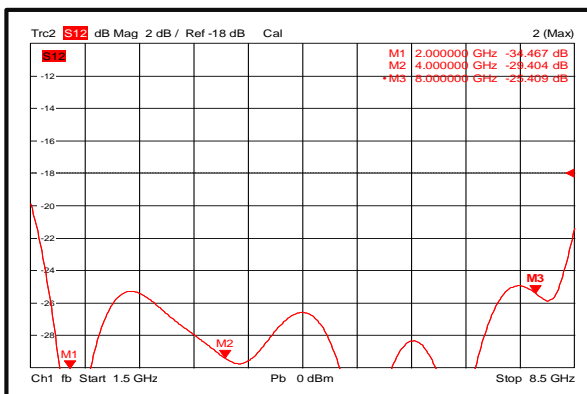
**Input VSWR**



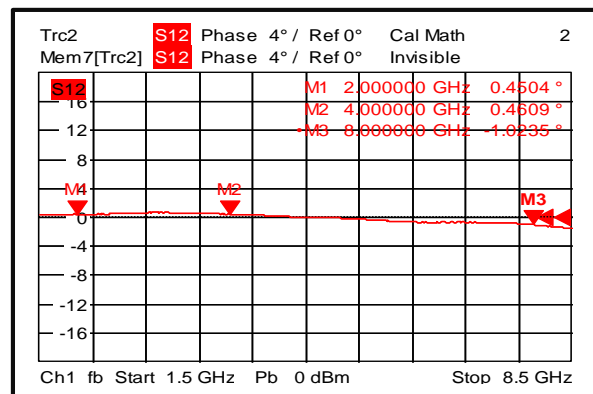
**Output VSWR**



**Isolation**



**Phase Imbalance**



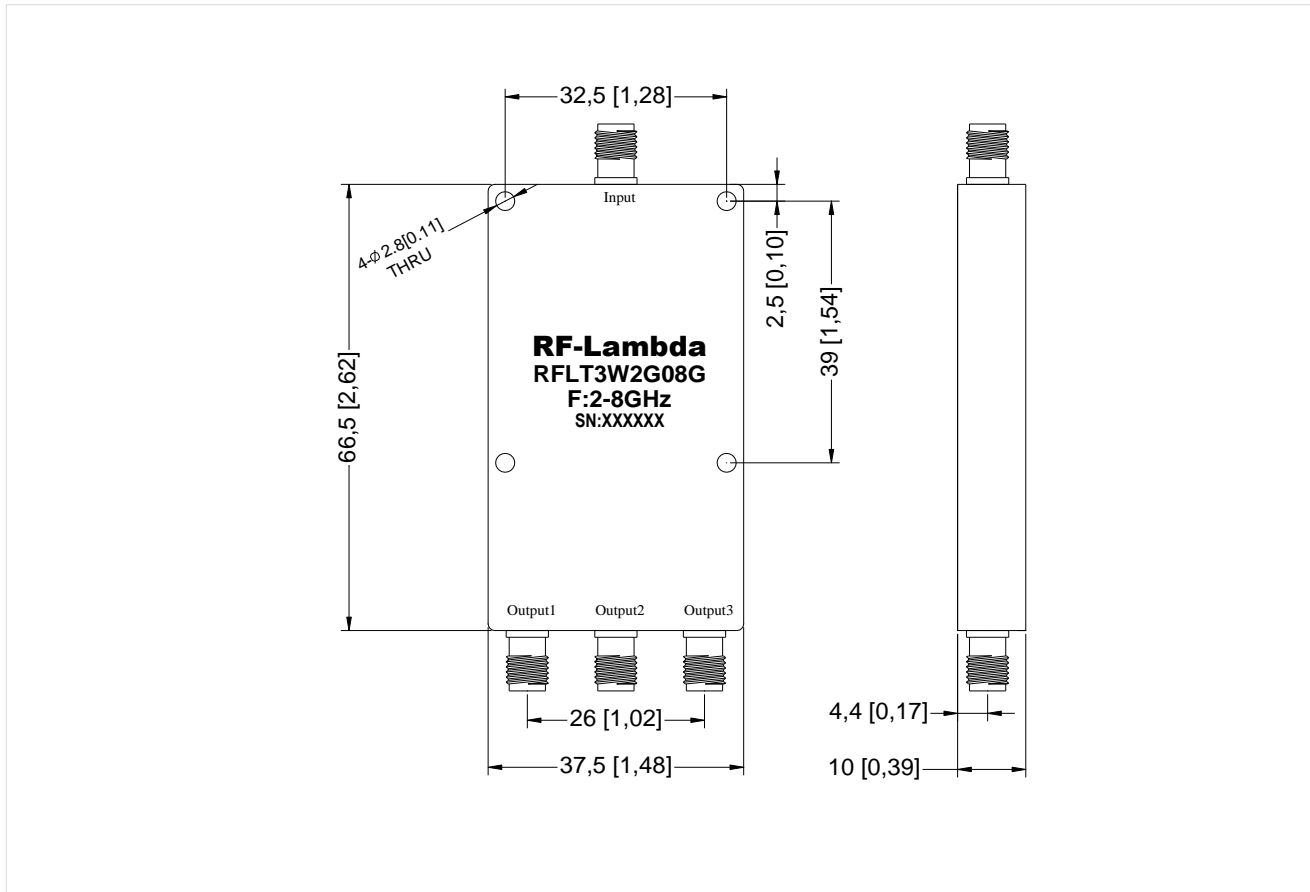
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**Outline Drawing:**

All Dimensions in mm [inches]

Tolerance  $\pm 0.2$  [0.008]



**Important Notice**

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