



Coaxial 30W 0° 2-Way Power Divider 1 - 2GHz



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.	Units
Frequency Range		1		2	GHz
Nominal Splitter Loss			3		dB
Insertion Loss				0.3	dB
Isolation		22			dB
Input VSWR			1.15	1.2	:1
Output VSWR			1.1	1.15	:1
Amplitude Imbalance			0.15	0.3	dB
Phase Imbalance				2.0	deg
Power Rating	Forward Power	30			W
	Reverse Power	2			W
	Peak Power	300			W
Impedance		50			Ohms
Weight		0.71			Ounces
Input / Output Connectors		SMA-Female			
Material		Aluminum			
Finishing		Blue Paint			

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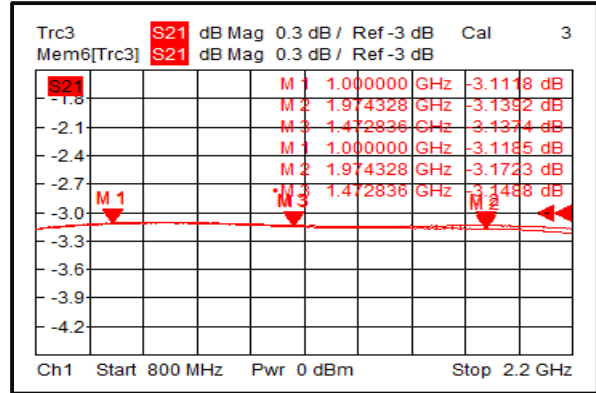


Environmental Specifications

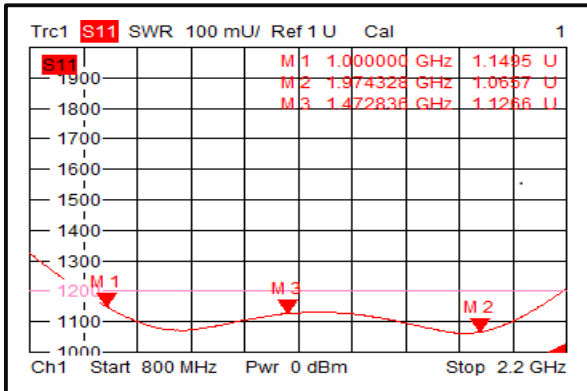
Operational Temperature (°C)	-45 ~ +85
Storage Temperature (°C)	-55 ~ +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c,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

Typical Performance Plots

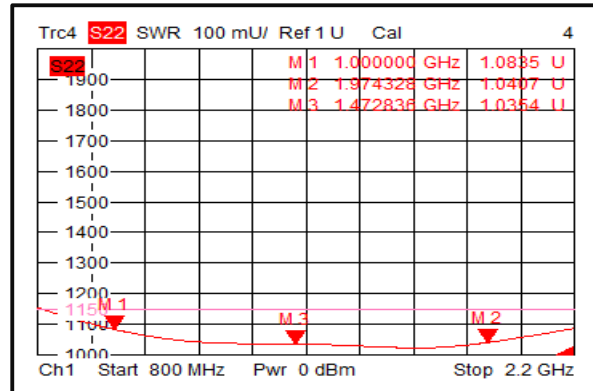
Loss & Amplitude Imbalance



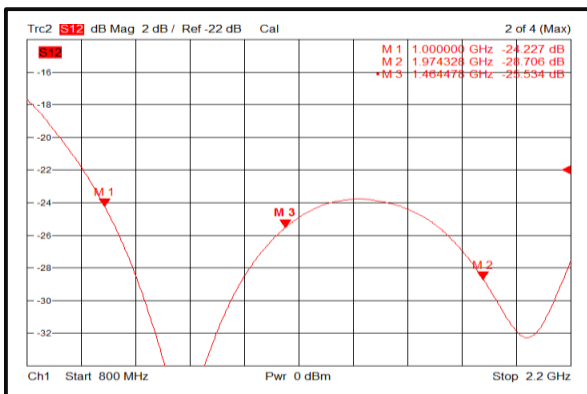
Input VSWR



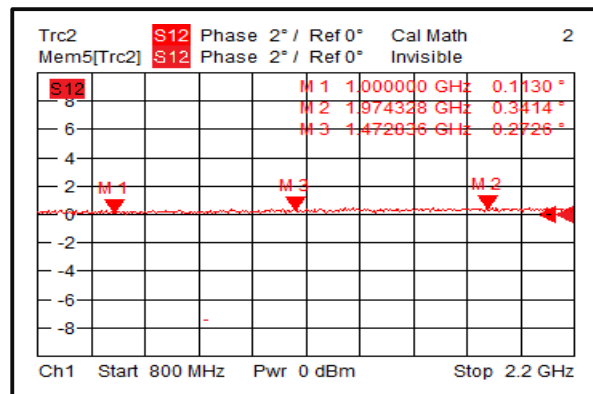
Output VSWR



Isolation



Phase Imbalance

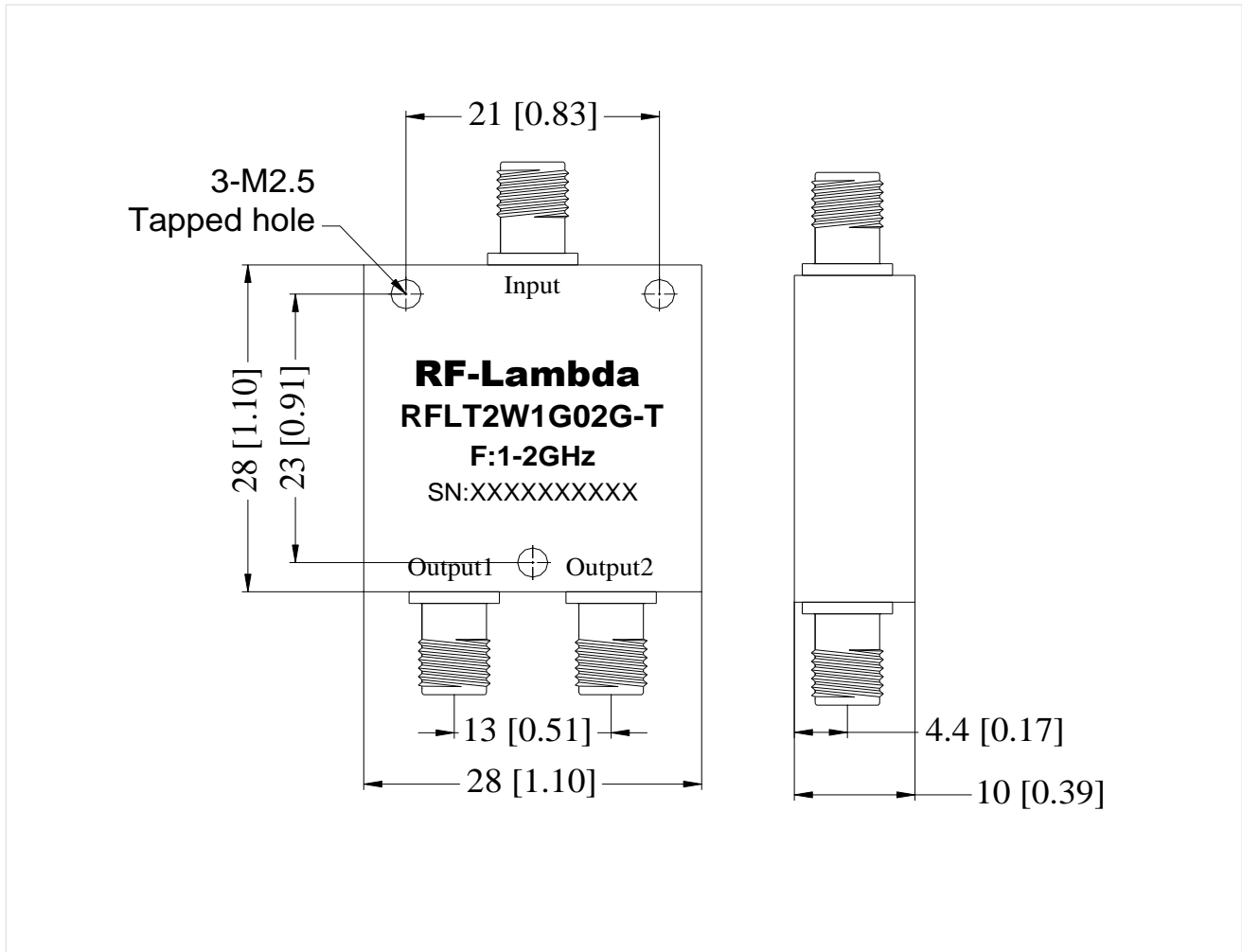




Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.2 [0.008]



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