



Coaxial 30W 0° 2-Way Power Divider 4 - 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, $T_A=25^\circ C$

Parameters	Min.	Typ.	Max.	Units
Frequency Range	4		8	GHz
Nominal Splitter Loss		3		dB
Insertion Loss		0.3	0.5	dB
Isolation	20	22		dB
Input VSWR		1.2	1.25	: 1
Output VSWR		1.15	1.2	: 1
Amplitude Imbalance		0.2	0.3	dB
Phase Imbalance		2	3	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			

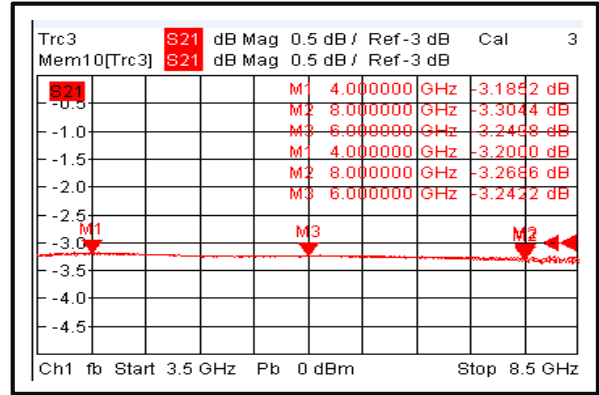


Environmental Specifications

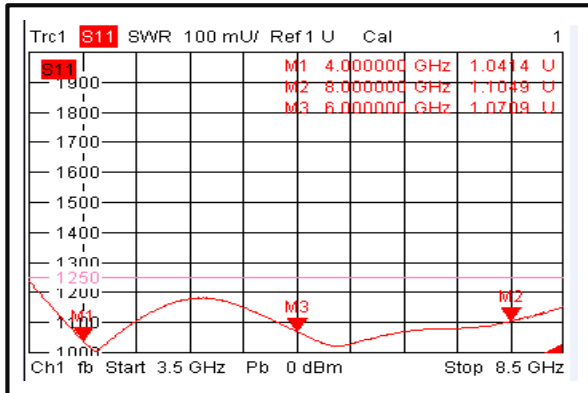
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c,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

Typical Performance Plots

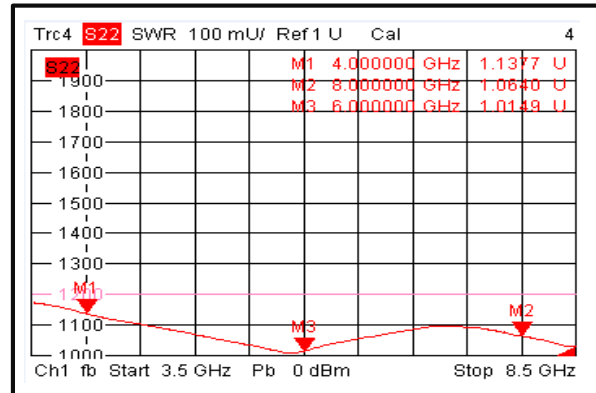
Loss & Amplitude Imbalance



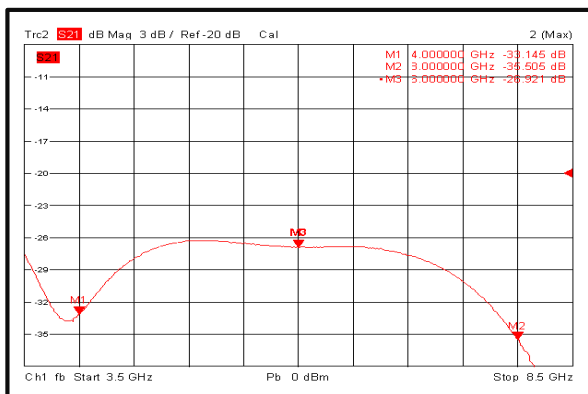
Input VSWR



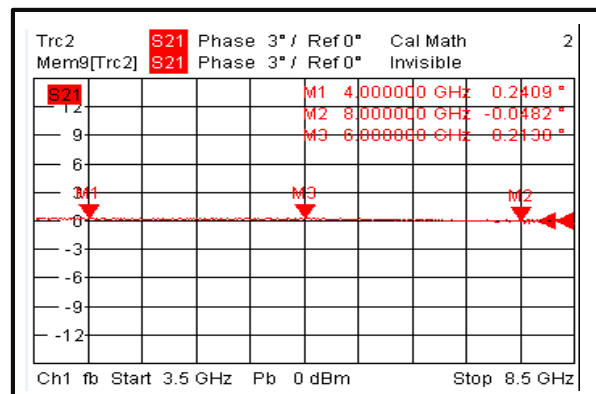
Output VSWR



Isolation



Phase Imbalance



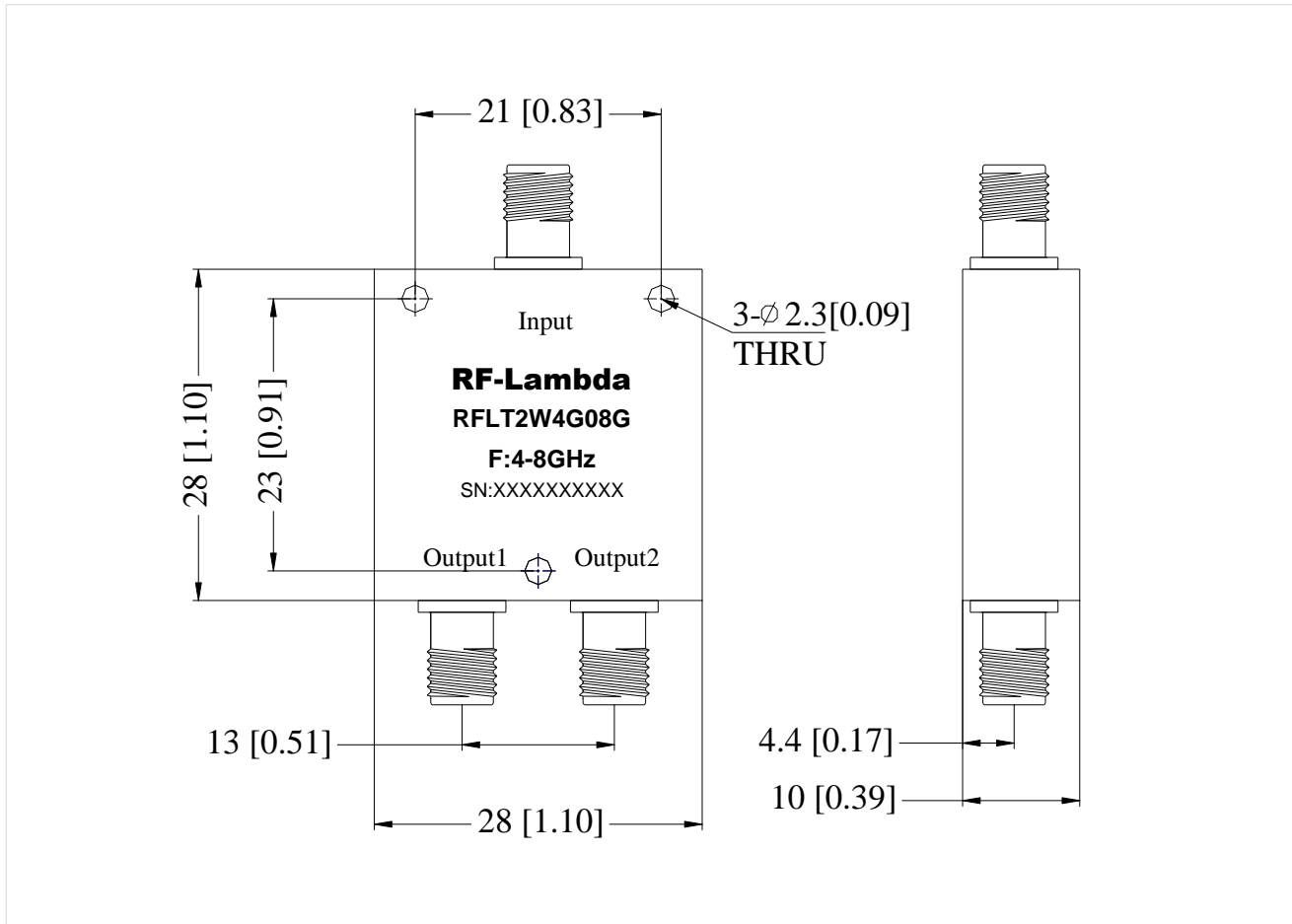
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Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.2 [0.008]



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