



Coaxial 30 W 0° 2-Way Power Divider 0.5 - 6GHz



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, $T_A=25\text{ }^\circ\text{C}$

Parameters		Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range		0.5		2	2		6	GHz
Nominal Splitter Loss			3			3		dB
Insertion Loss			0.6	0.8		0.8		dB
Isolation			18			18		dB
Input VSWR				1.4			1.4	: 1
Output VSWR			1.2	1.3		1.25	1.3	: 1
Amplitude Imbalance				0.2			0.2	dB
Phase Imbalance				3			3	deg
Power Rating	Forward Power	30						W
	Reverse Power	2						W
	Peak Power	300						W
Impedance		50						Ohms
Weight		2.82						Ounces
Input / Output Connectors		SMA - Female						
Material		Aluminum						
Finishing		Blue Paint						

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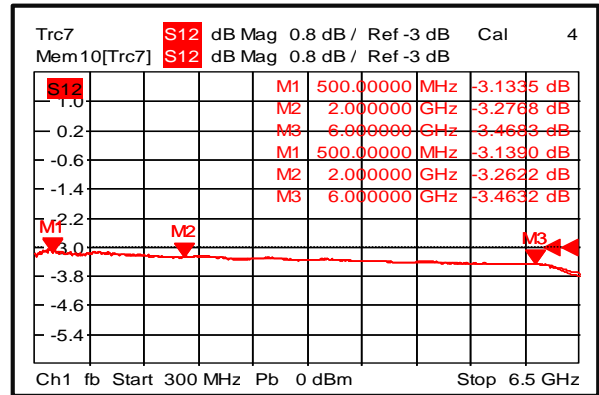


Environmental Specifications

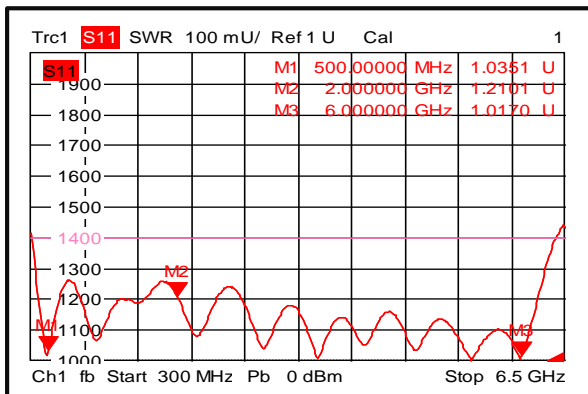
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C,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

Typical Performance Plots

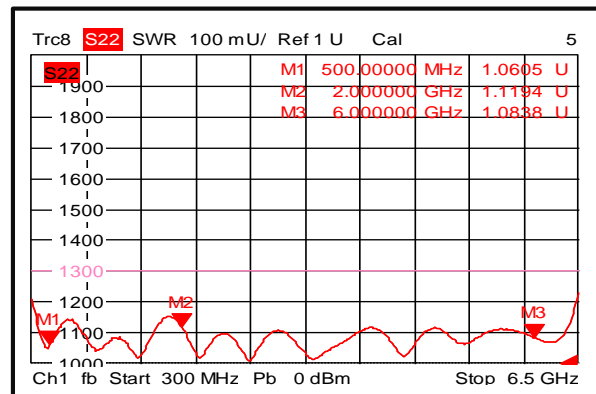
Loss & Amplitude Imbalance



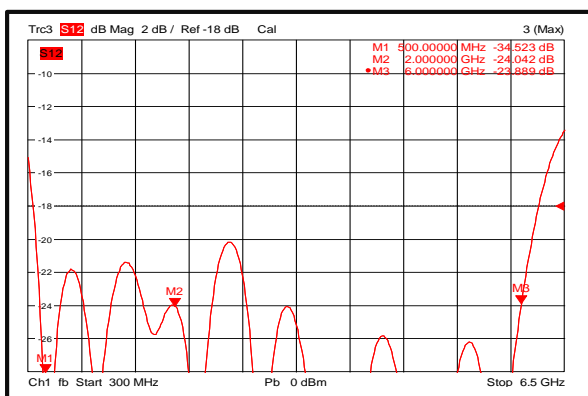
Input VSWR



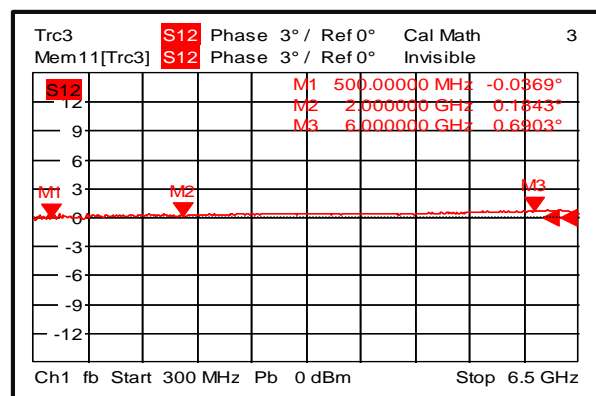
Output VSWR



Isolation



Phase Imbalance



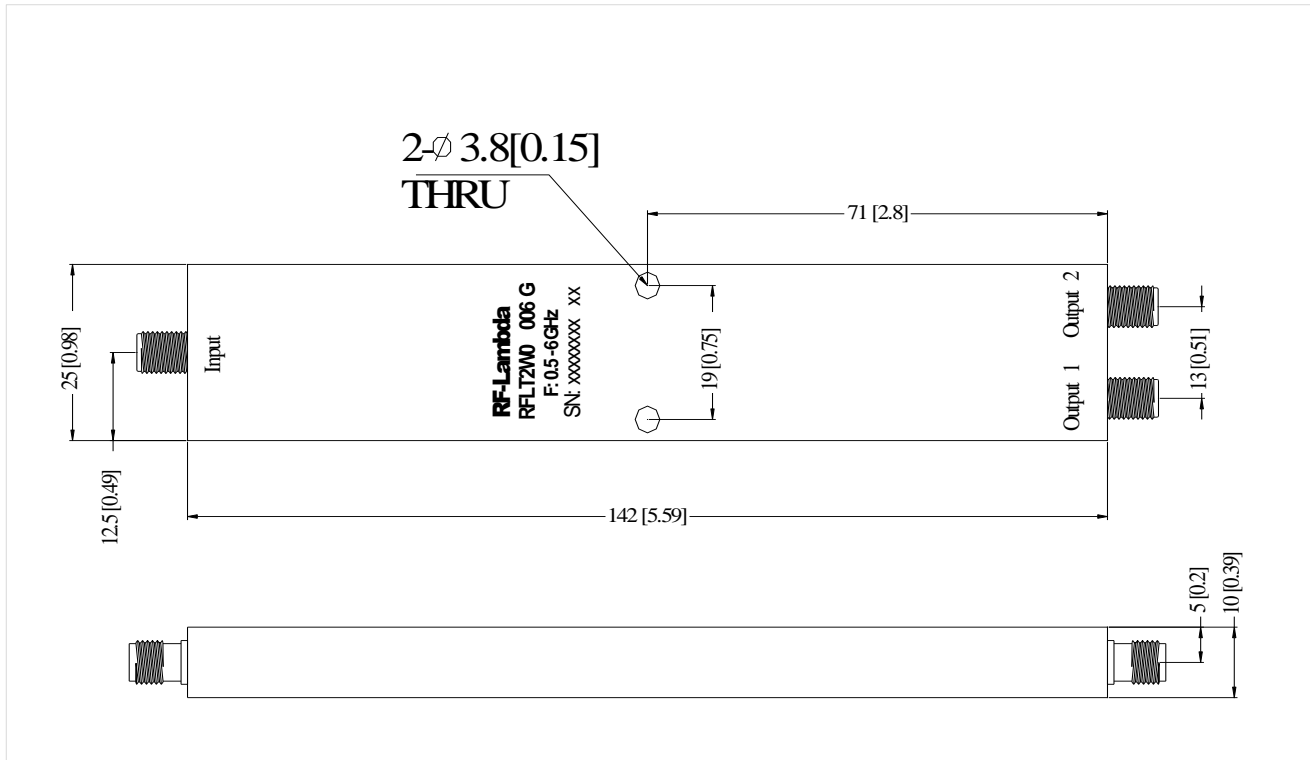
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Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.25 [0.01]



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