



Coaxial 30W 0° 4-Way Power Divider 2 - 18GHz



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		8	8		18	GHz
Nominal Splitter Loss			6			6		dB
Insertion Loss			0.9	1.2		1.5	1.8	dB
Isolation		17	19		16	18		dB
Input VSWR			1.6	1.65		1.55	1.65	:1
Output VSWR			1.4	1.6		1.4	1.6	:1
Amplitude Imbalance			±0.25	±0.3		±0.3	±0.4	dB
Phase Imbalance			±4	±5		±5	±6	deg
Power Rating	Forward Power	30						W
	Reverse Power	1						W
	Peak Power	300						W
Impedance		50						Ohms
Weight		3.88						ounce
Input / Output Connectors		SMA - Female						
Material		Aluminum						
Finishing		Blue Paint						

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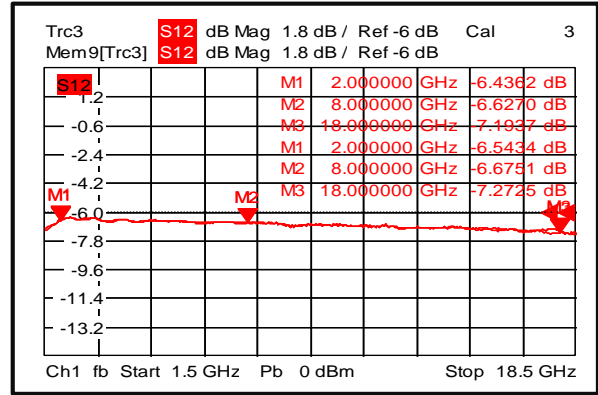


Environmental Specifications

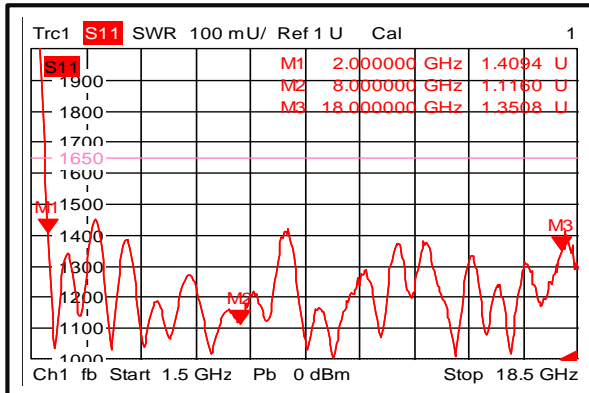
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Uncontrolled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C,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

Typical Performance Plots

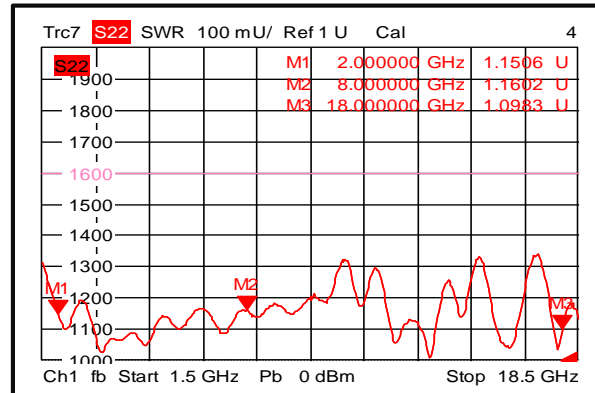
Loss & Amplitude Imbalance



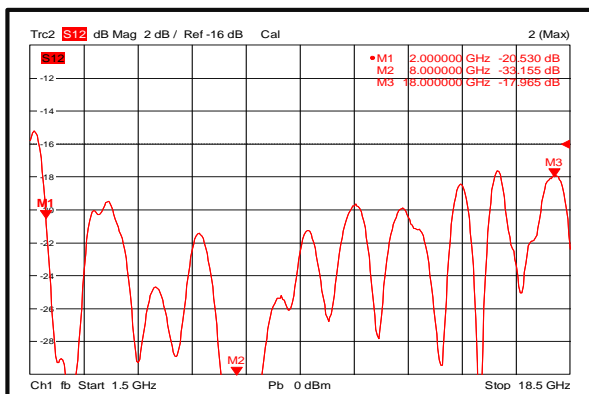
Input VSWR



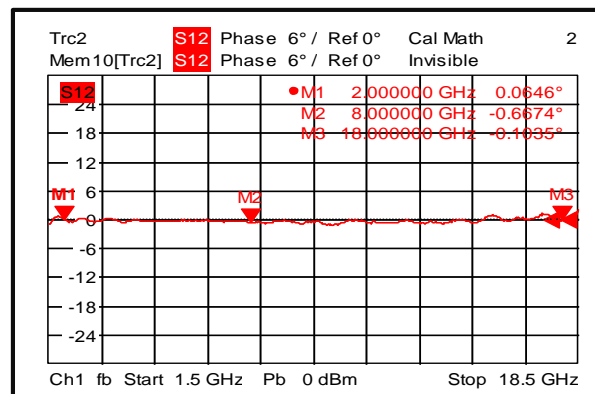
Output VSWR



Isolation



Phase Imbalance



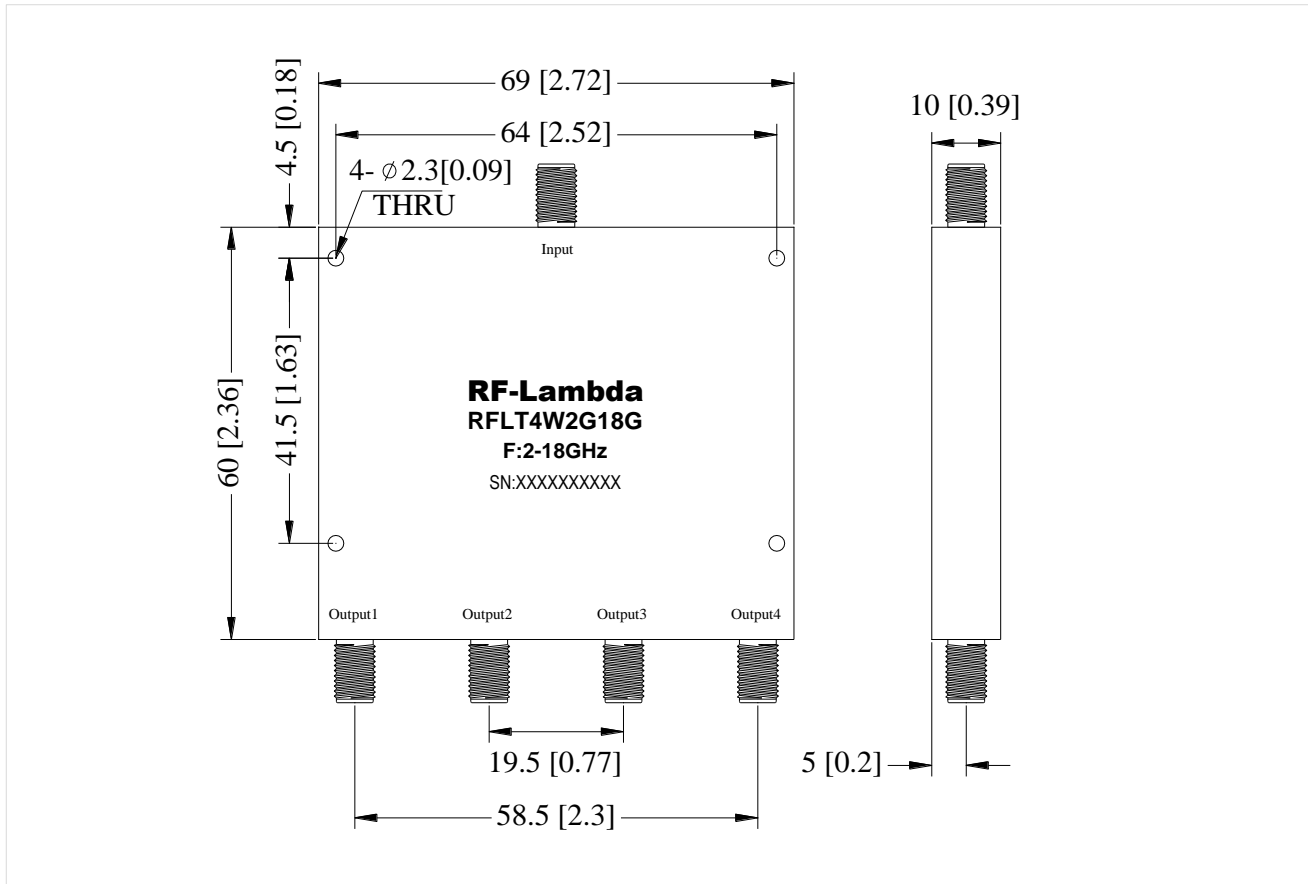
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Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.2 [0.008]



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