



### 30W 0.5-6GHz 0° 8-Way Power Divider



- High power handle capability up to 30W
- Ultra Wide band operation
- High isolation within operational band
- Low Insertion loss
- Low temperature coefficient material offer stable performance over temperature
- Aerospace and military application
- LMDS multi-carrier operation
- High peak to average handle capability
- All specifications can be modified upon request

#### Electrical Specifications

Parameters		Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range		0.5		2	2		6	GHz
Nominal Splitter Loss			9			9		dB
Insertion Loss			1.0	1.5		2.2	2.7	dB
Isolation		18	22		18	23		dB
Input VSWR			1.5	1.6		1.4	1.5	
Output VSWR			1.3	1.4		1.3	1.4	
Amplitude Unbalance			±0.2	±0.25		±0.25	±0.3	dB
Phase Unbalance			±3	±5		±5	±7	deg
Power Rating	Forward Power	30						W
	Reverse Power	2						W
	Peak Power	0.2						KW
Impedance		50						Ohms
Weight		500						g
Operating Temperature		-45 to +85						°C
Input / Output Connector		SMA-Female						
Material		Aluminum						
Finishing		Gray Paint						

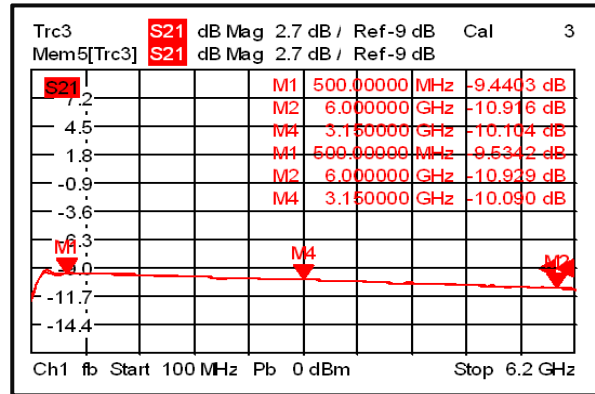


### Environment specifications

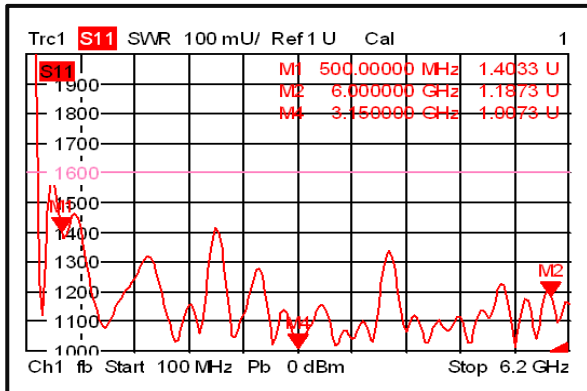
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) ( Optional )
Vibration	25grms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH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

### Typical Performance Plots

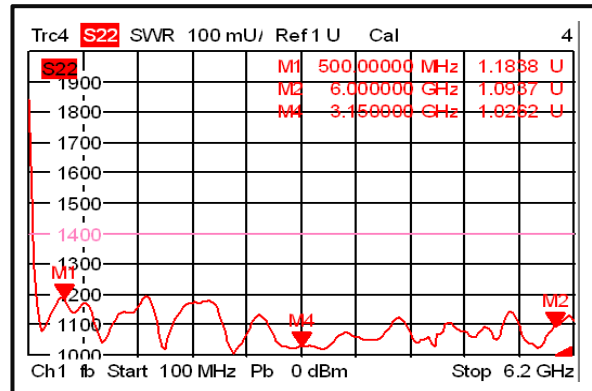
#### Loss & Amplitude Unbalance



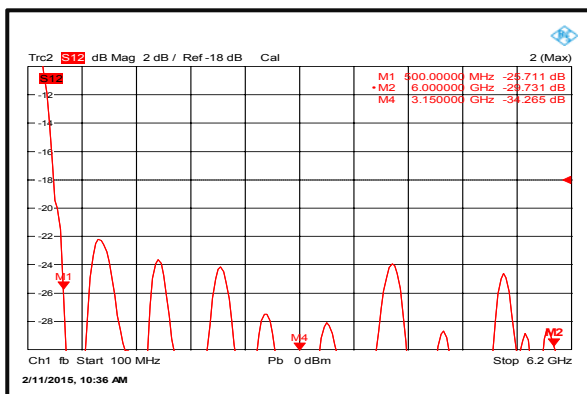
#### Input VSWR



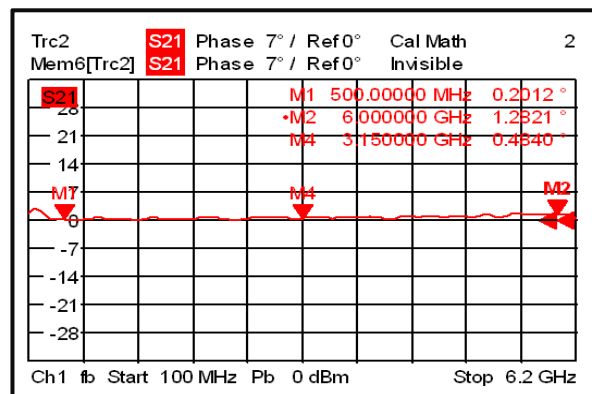
#### Output VSWR



#### Isolation



#### Phase Unbalance

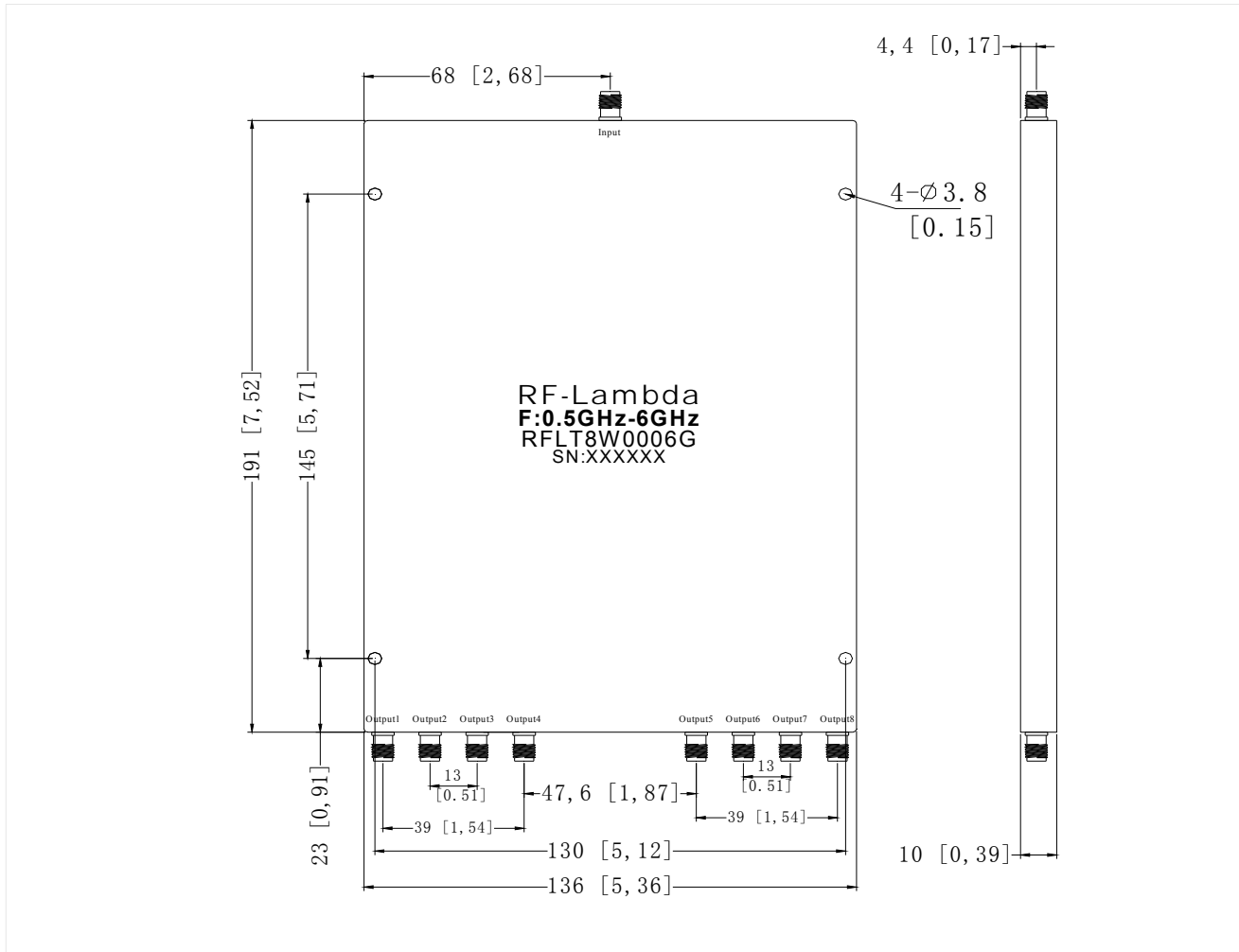




### Outline Drawing:

All Dimensions in mm (inches)

Tolerance  $\pm 0.3$  (0.012)



Coaxial 30W 0.5-6GHz 0° 8-Way Power Divider

### Important Notice

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