



100W 0.8-2.5GHz 0° 6-Way Power Divider



- High power handle capability up to 100W
- 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.	Units
Frequency Range		0.8		2.5	GHz
Nominal Splitter Loss			7.8		dB
Insertion Loss			0.5	0.8	dB
Isolation		20	21		dB
Input VSWR			1.25	1.3	
Output VSWR			1.2	1.25	
Amplitude Unbalance			±0.4	±0.6	dB
Phase Unbalance			±3	±5	deg
Power Rating	Forward Power	100			W
	Reverse Power	15			W
	Peak Power	0.5			KW
Impedance		50			Ohms
Weight		10.58			Ounces
Operating Temperature		-45 to +85			°C
Input / Output Connector		N-Female			
Material		Aluminum			
Finishing		Gray Paint			

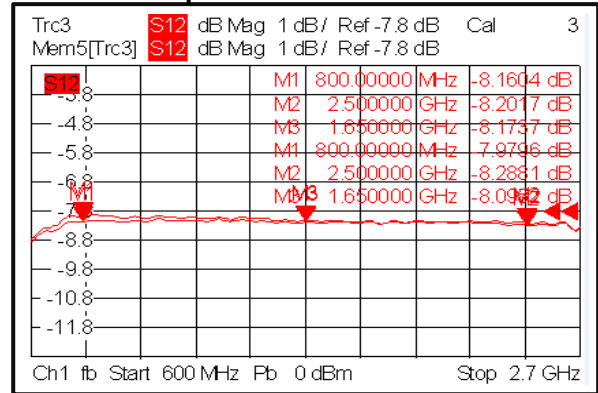


Environment specifications

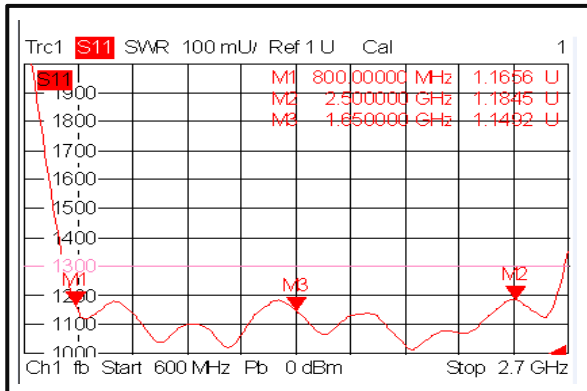
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH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

Typical Performance Plots

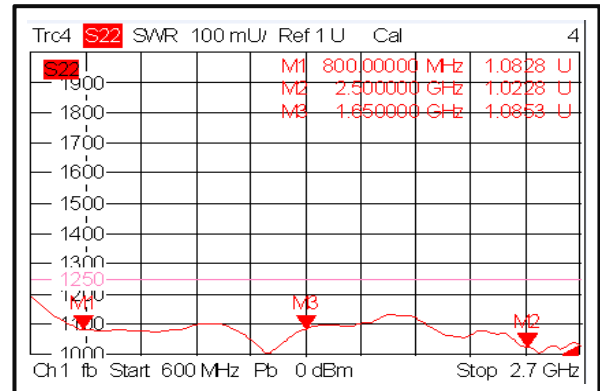
Loss & Amplitude Unbalance



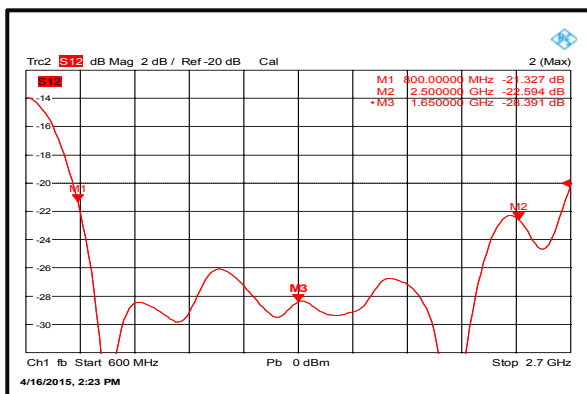
Input VSWR



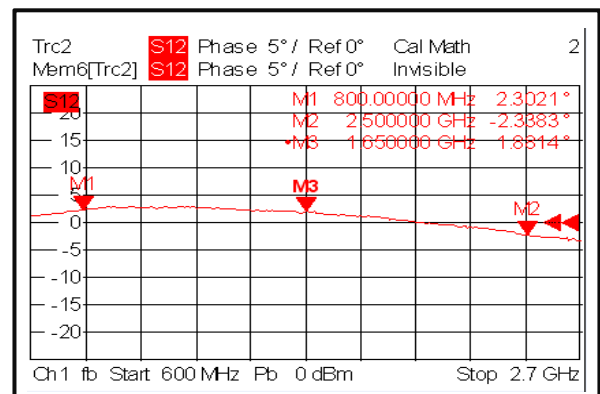
Output VSWR



Isolation



Phase Unbalance

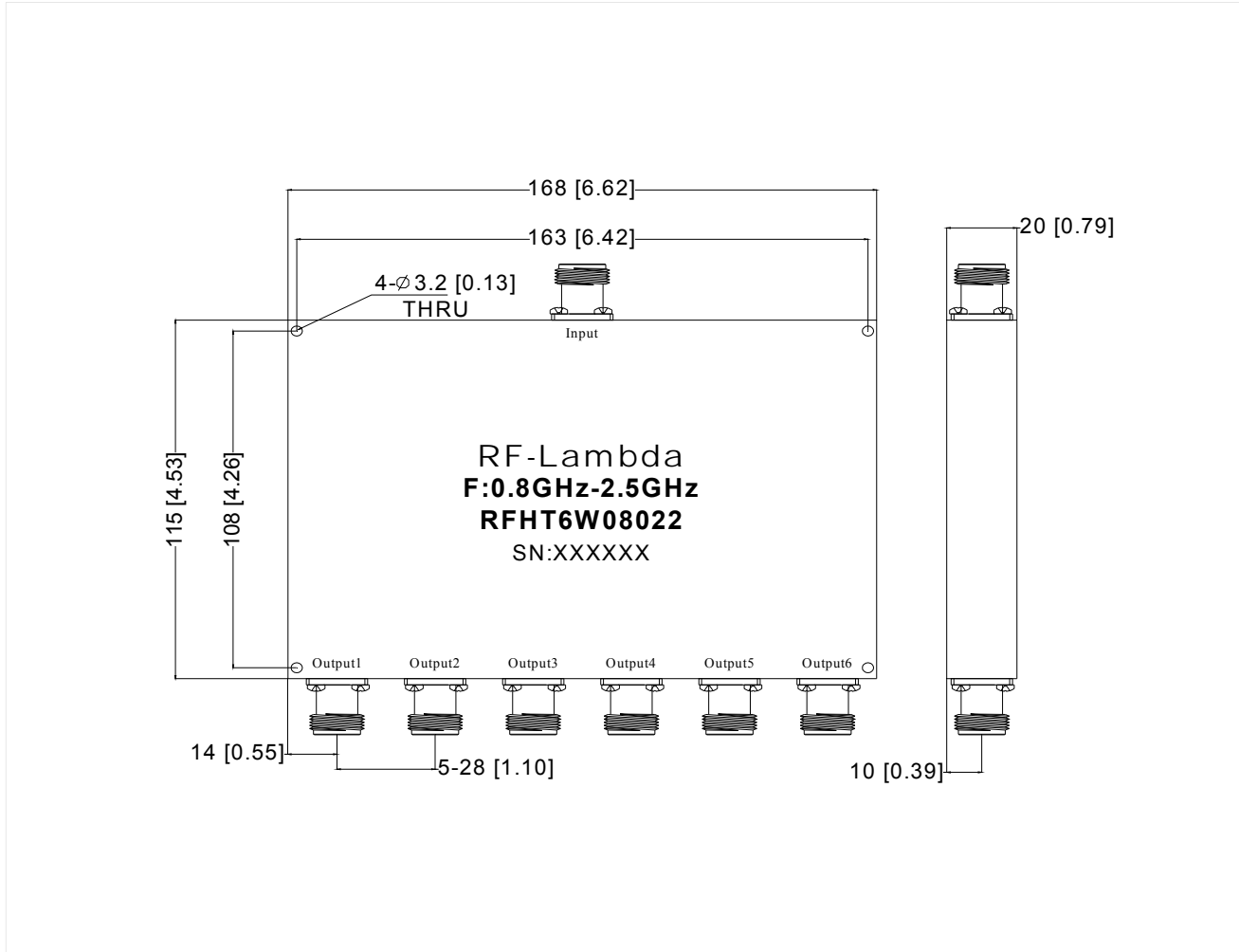




Outline Drawing:

All Dimensions in mm (inches)

Tolerances ± 0.25 (0.01)



Coaxial 100W 0.8-2.5GHz 0° 6-Way Power Divider

Important Notice

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