



30 W 0.8-2.5GHz 0° 3-Way Power Divider



Features

- High power handling capability up to 30W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Stable over temperature performance
- Aerospace and military application
- LMDS multi-carrier operation
- High peak to average handling 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		4.8		dB
Insertion Loss		0.55	0.7	dB
Isolation	20	22		dB
Input VSWR		1.25	1.3	: 1
Output VSWR		1.15	1.2	: 1
Amplitude Unbalance		±0.3	±0.4	dB
Phase Unbalance		±4	±5	deg
Power Rating	Forward Power	30		W
	Reverse Power	2		W
	Peak Power	300		W
Impedance		50		Ohms
Weight		4.94		ounces
Operating Temperature		-45 to +85		°C
Input / Output Connector		SMA-Female		
Material		Aluminum		
Finishing		Gray Paint		

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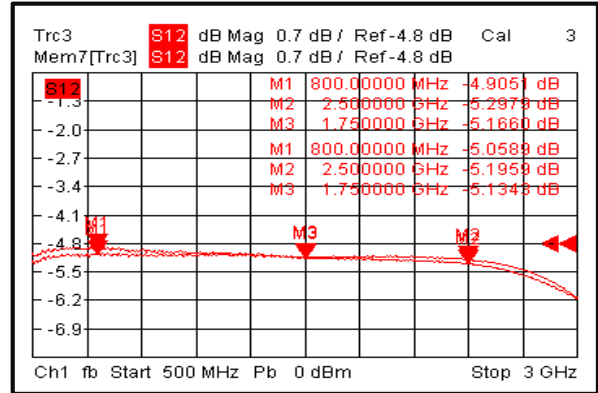


Environmental Specifications

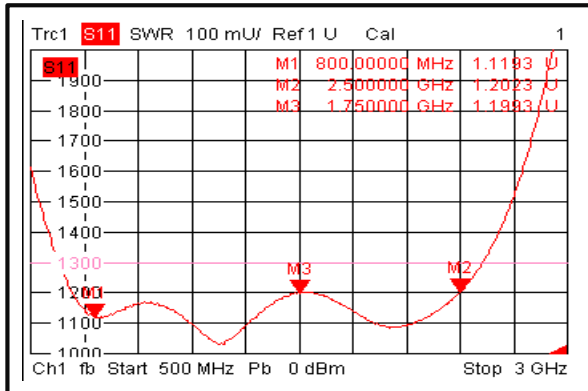
Operational Temperature (°C)	-45 ~ +85
Storage Temperature (°C)	-55 ~ +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH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

Typical Performance Plots

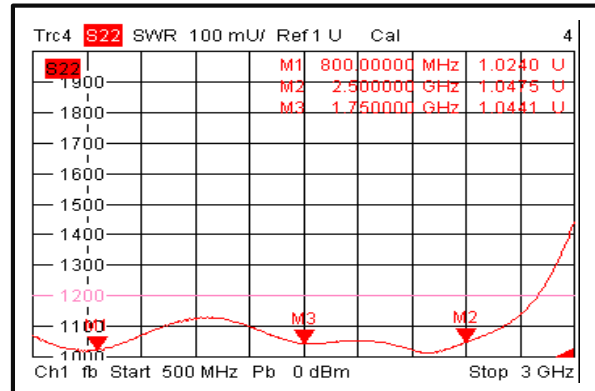
Loss & Amplitude Imbalance



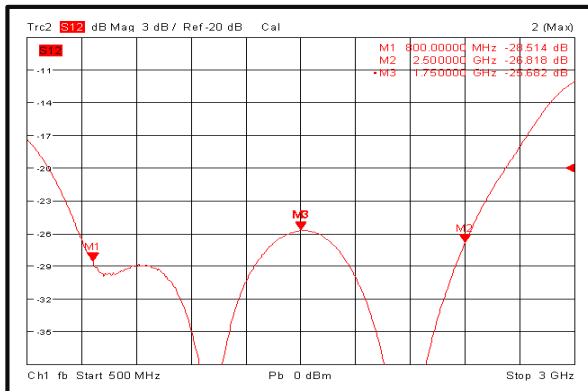
Input VSWR



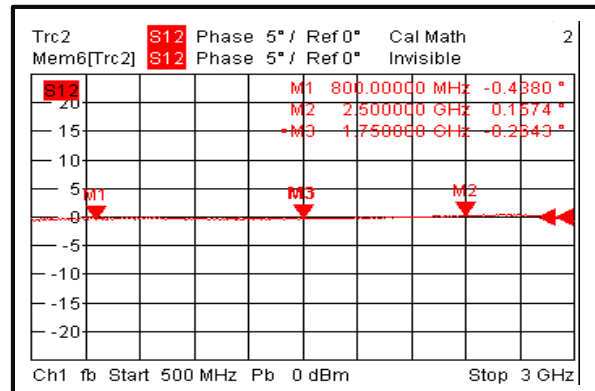
Output VSWR



Isolation



Phase Imbalance

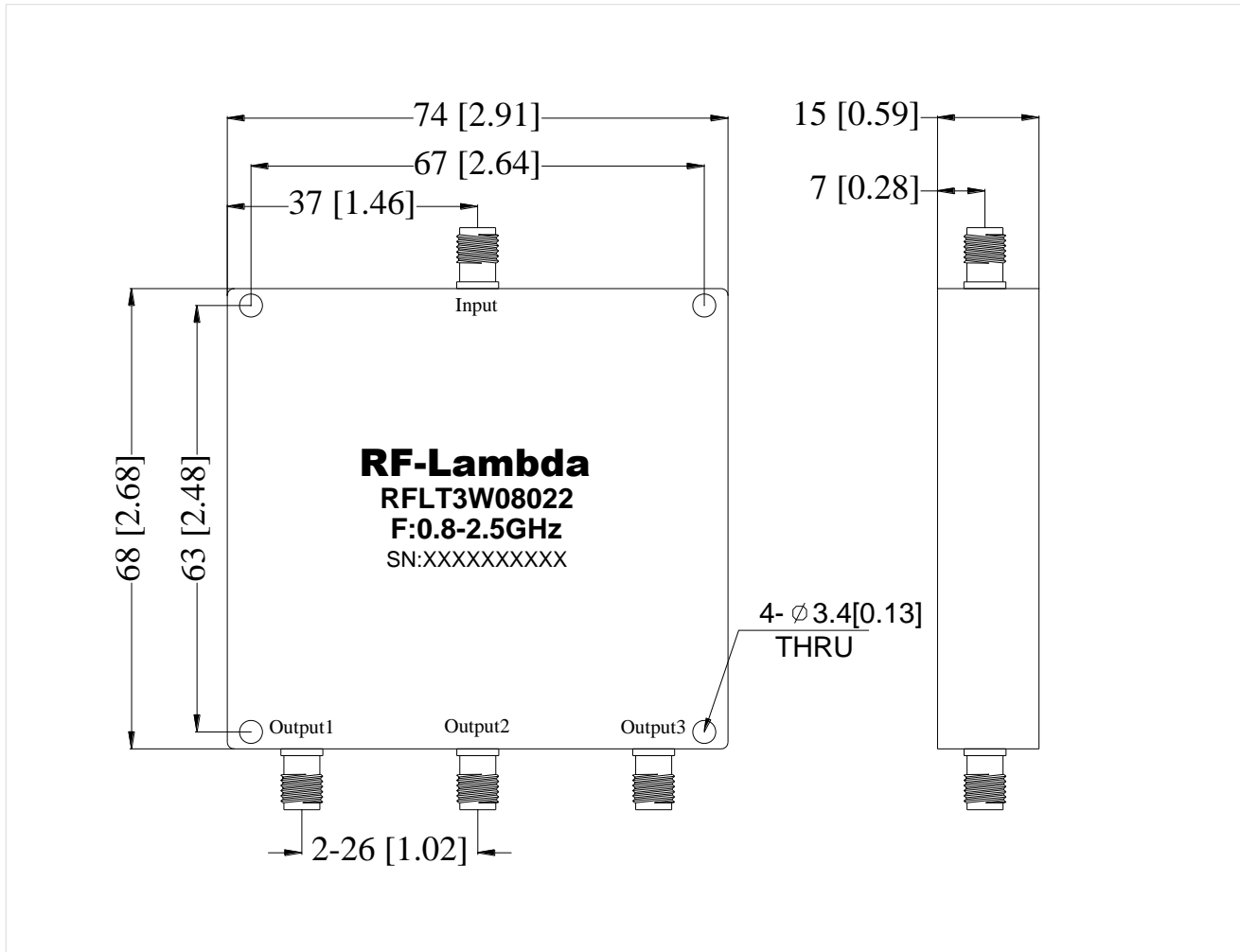




Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.2 [0.008]



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