



30W 4-8GHz 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	4		8	GHz
Nominal Splitter Loss		4.8		dB
Insertion Loss		0.4	0.6	dB
Isolation	18	20		dB
Input VSWR		1.3	1.4	: 1
Output VSWR		1.2	1.3	: 1
Amplitude Unbalance		±0.25	±0.4	dB
Phase Unbalance		±5	±6	deg
Power Rating	Forward Power	30		W
	Reverse Power	2		W
	Peak Power	300		W
Impedance		50		Ohms
Weight		1.76		Ounces
Operating Temperature		-45 to +85		°C
Input / Output Connector		SMA-Female		
Material		Aluminum		
Finishing		Blue Paint		

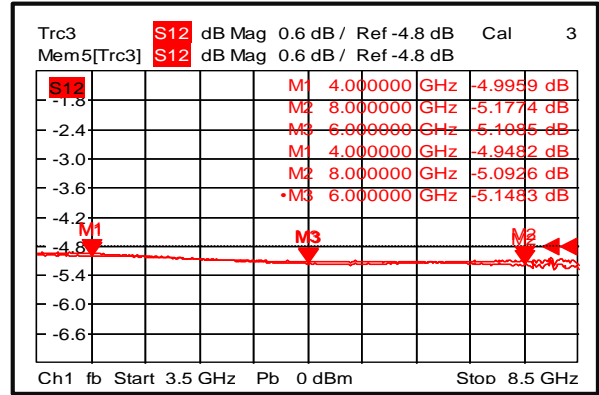


Environmental Specifications

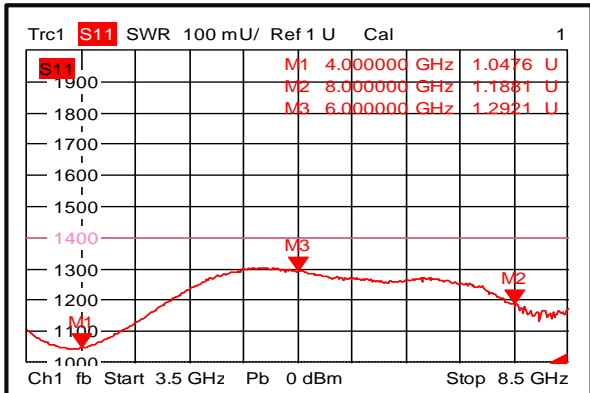
Operational Temperature (°C)	-45 ~ +85
Storage Temperature (°C)	-55 ~ +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH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

Typical Performance Plots

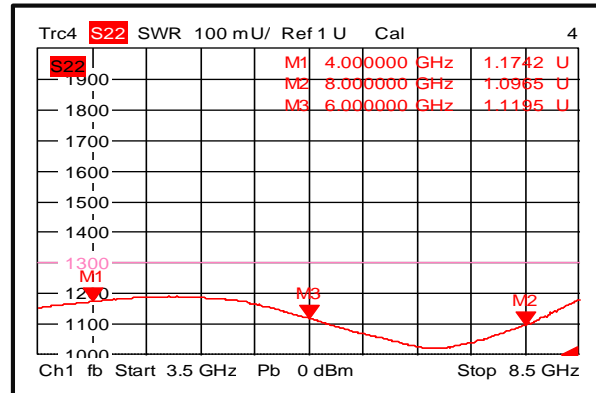
Loss & Amplitude Imbalance



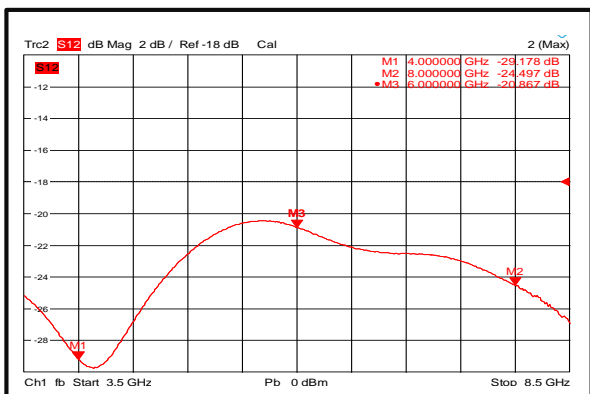
Input VSWR



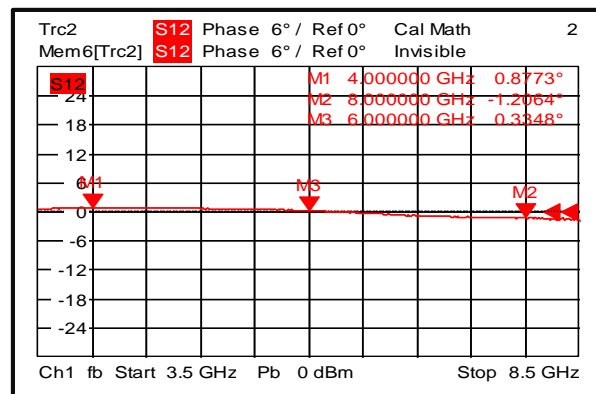
Output VSWR



Isolation



Phase Imbalance

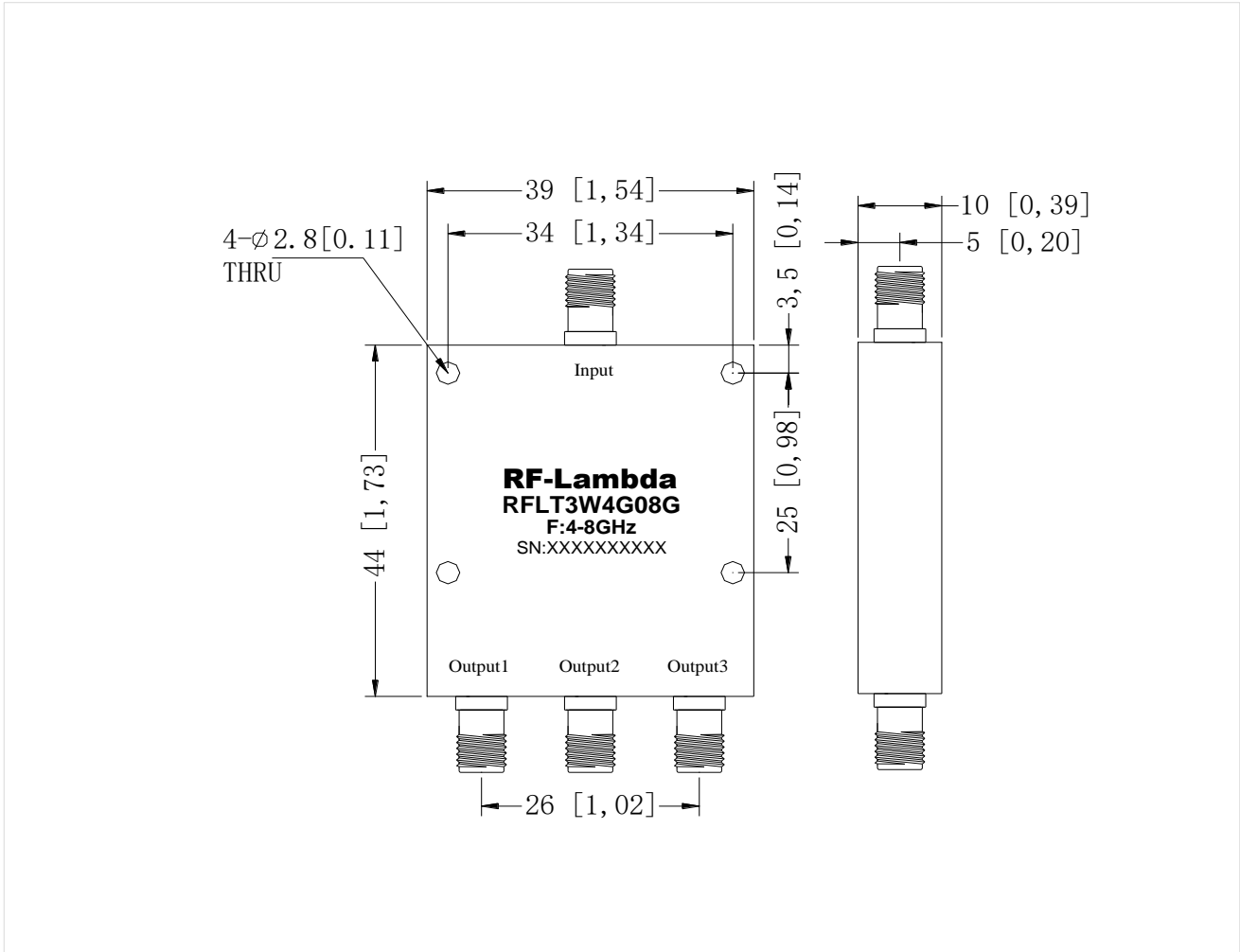


COAXIAL 30W 4-8GHz 0°3-WAY POWER DIVIDER



Outline Drawing:

All Dimensions in mm [inches]
Tolerance ± 0.2 [0.008]



COAXIAL 30W 4-8GHz 0°3-Way Power Divider

Important Notice

The information contained herein is believed to be reliable. RF-Lambda makes no warranties regarding the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for any of the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice. Customers should obtain and verify the latest relevant information before placing orders for RF-Lambda products. The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information. RF-Lambda products are not warranted or authorized for use as critical components in medical, life-saving, or life sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.