



Coaxial 30W 0° 8-Way Power Divider 1.5 - 4.5GHz



Features

- High power handling up to 30W
- Wide band operation
- High isolation within operational band
- Low Insertion Loss
- Stable performance over temperature
- High peak to average handling capability

Typical Applications

- Aerospace and military applications
- LMDS multi-carrier operation

Electrical Specifications, $T_A=25^\circ\text{C}$

Parameters		Min.	Typ.	Max.	Units
Frequency Range		1.5		4.5	GHz
Nominal Splitter Loss			9		dB
Insertion Loss			0.7	1.0	dB
Isolation		20	22		dB
Input VSWR			1.3	1.4	: 1
Output VSWR			1.2	1.3	: 1
Amplitude Imbalance			±0.2	±0.4	dB
Phase Imbalance			±2	±4	deg
Group delay			1	1.5	ns
Power Rating	Forward Power	30			W
	Reverse Power	2			W
	Peak Power	300			W
Impedance		50			Ohms
Weight		4.94			Ounces
Input / Output Connectors		SMA - Female			
Material		Aluminum			
Finishing		Blue Paint			

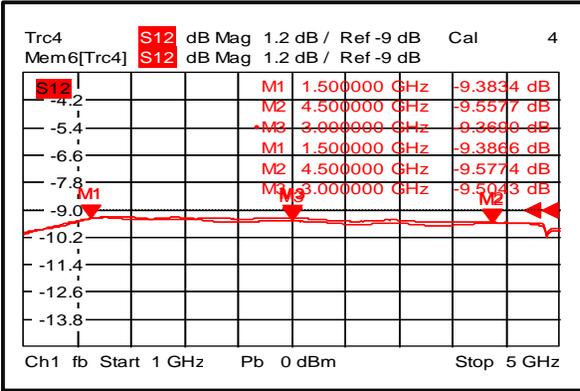
Environmental Specifications

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

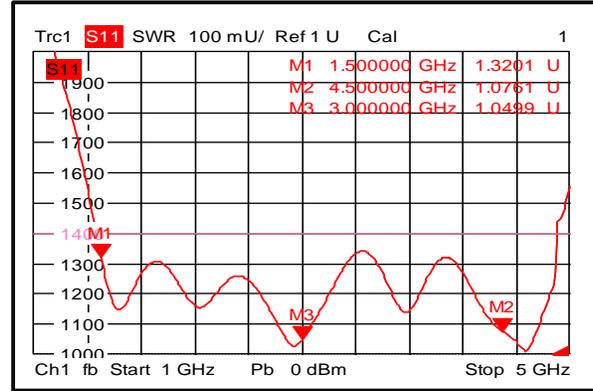


Typical Performance Plots

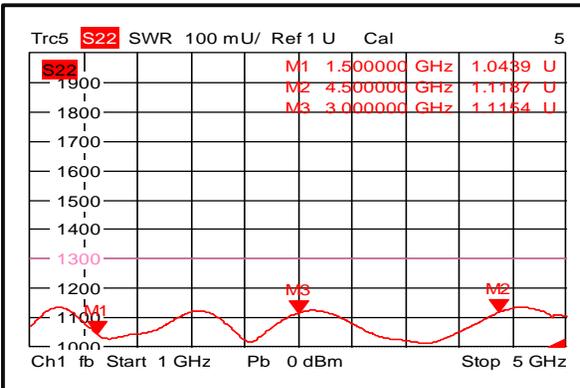
Loss & Amplitude Imbalance



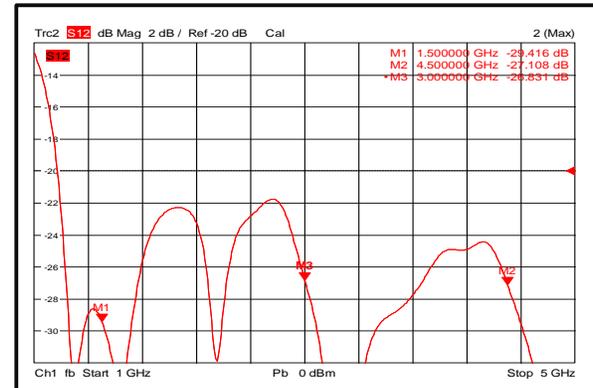
Input VSWR



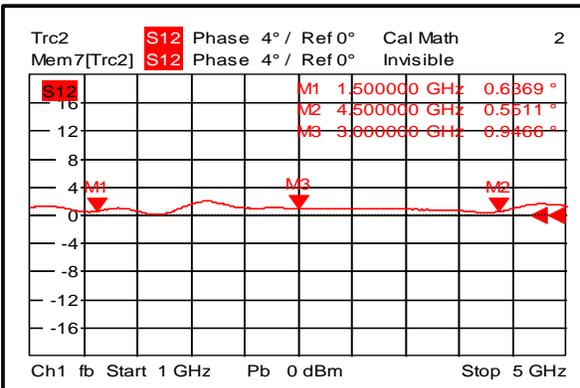
Output VSWR



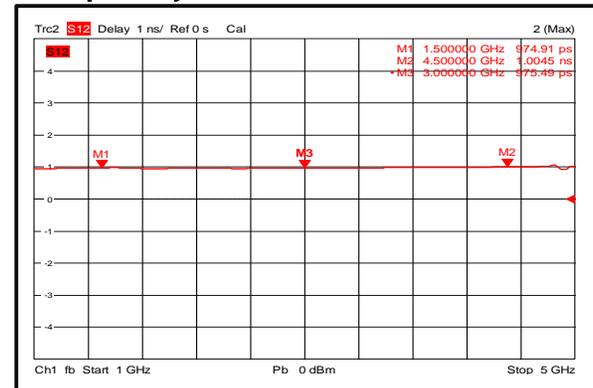
Isolation



Phase Imbalance



Group Delay



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RF-LAMBDA

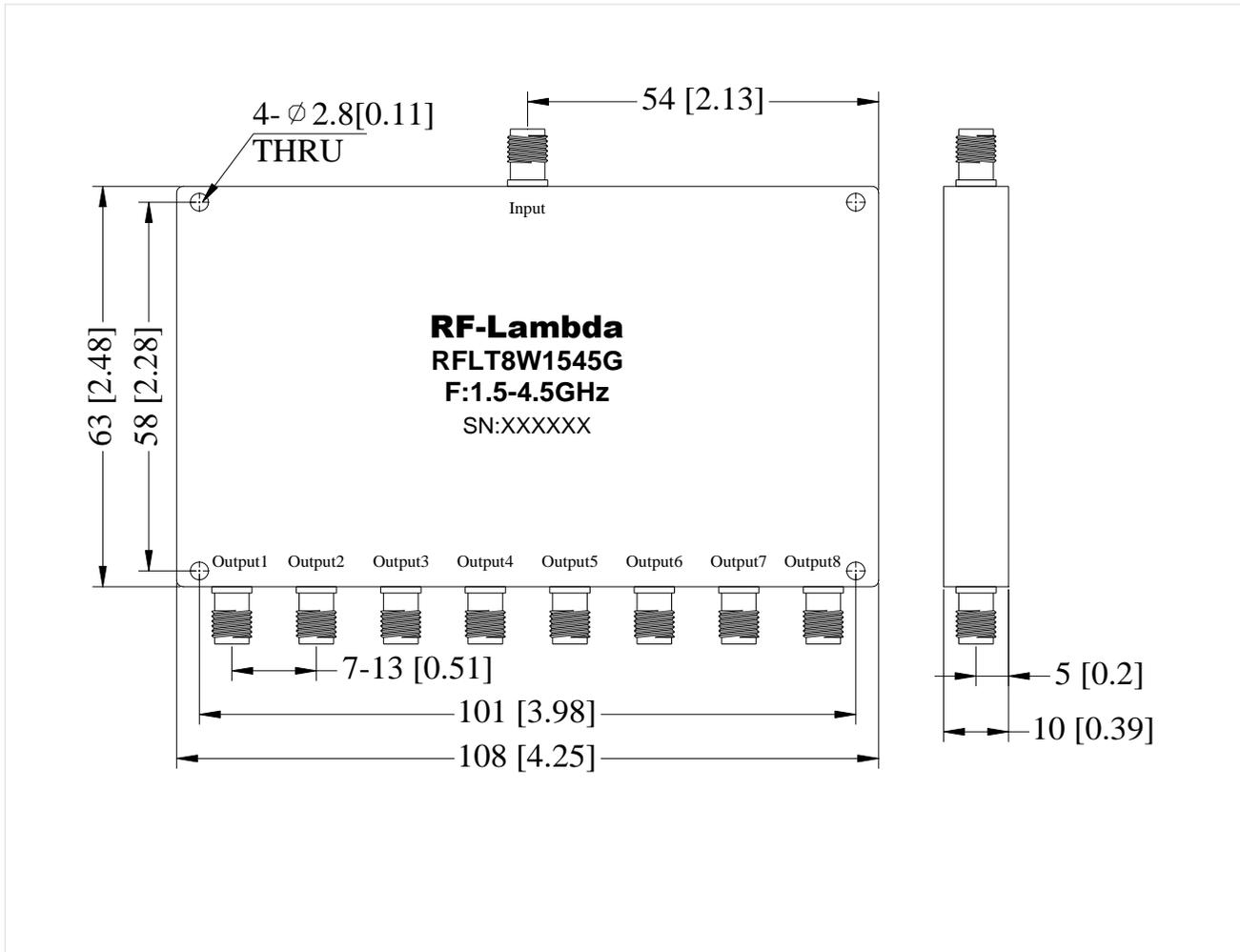
LEADER OF RF BROADBAND SOLUTIONS

RFLT8W1545G

Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.25 [0.01]



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