100W 0° 8-Way Power Divider
0.8-2.5GHz

RoHS Compliant

Features

- High power handling capability up to 100W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Stable performance over temperature
- Aerospace and military applications
- LMDS multi-carrier operation
- High peak to average handling capability
- All specifications can be modified upon request

Electrical Specifications, T_A=25℃

Parameters		Min	Typ	Max	Units
Frequency Range		0.8		2.5	GHz
Nominal Splitter Loss			9		dB
Insertion Loss			0.6	0.8	dB
Isolation		20	22		dB
Input VSWR			1.3	1.35	: 1
Output VSWR			1.25	1.3	: 1
Amplitude Imbalance			±0.3	±0.4	dB
Phase Imbalance			±4	±6	deg
Power Rating	Forward Power	100			W
	Reverse Power	5			W
	Peak Power	1000			W
Impedance		50			Ohms
Weight		32.8			ounces
Input / Output Connectors		N-Female			
Material		Aluminum			
Finishing		Blue Paint			

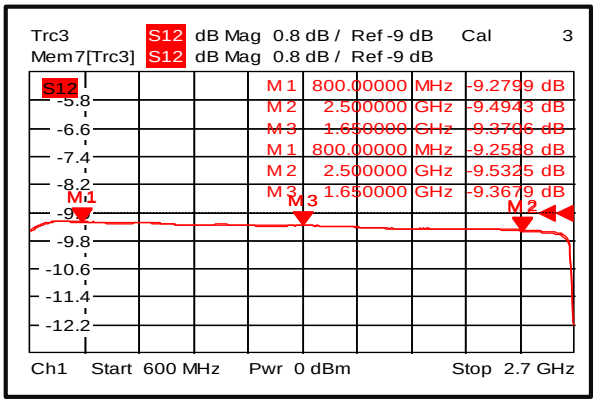
Coaxial 100W 0° 8-Way Power Divider 0.8-2.5GHz

Environmental Specifications

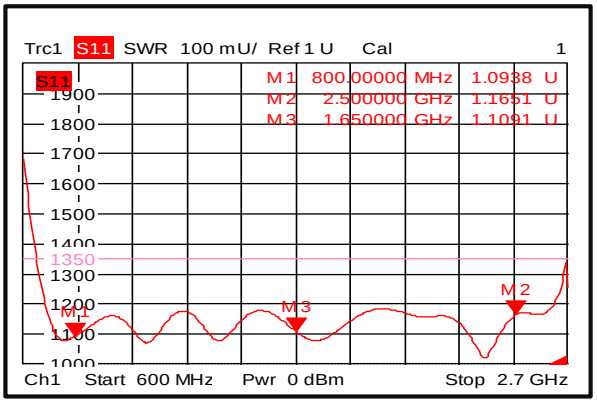
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c,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

Typical Performance Plots

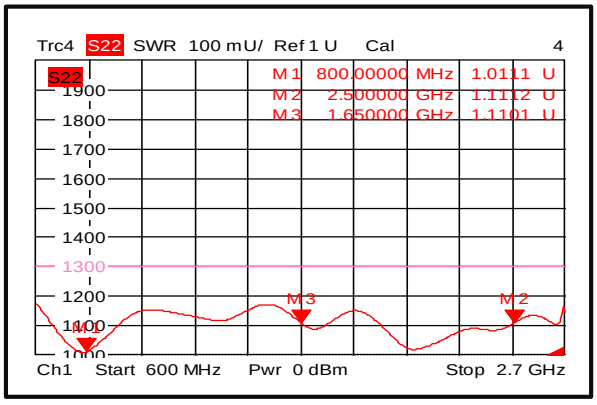
Loss & Amplitude Imbalance



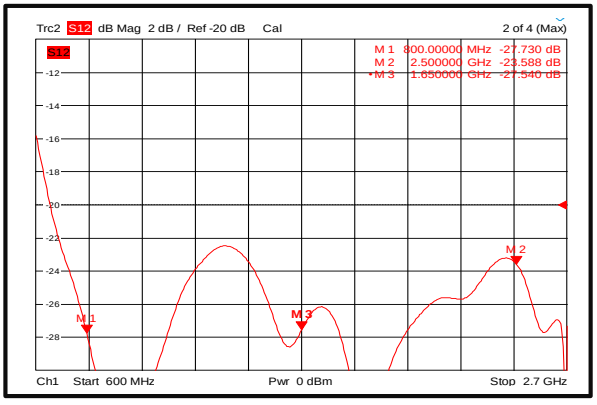
Input VSWR



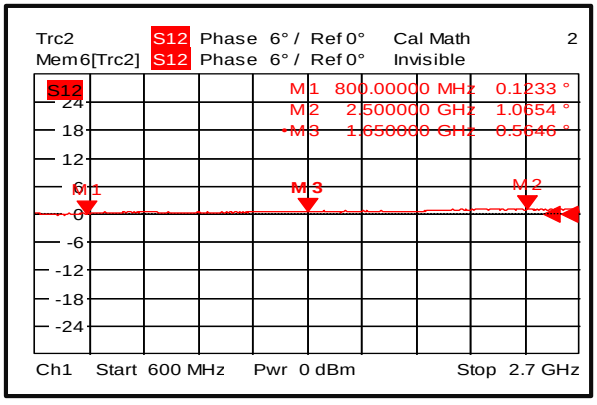
Output VSWR



Isolation



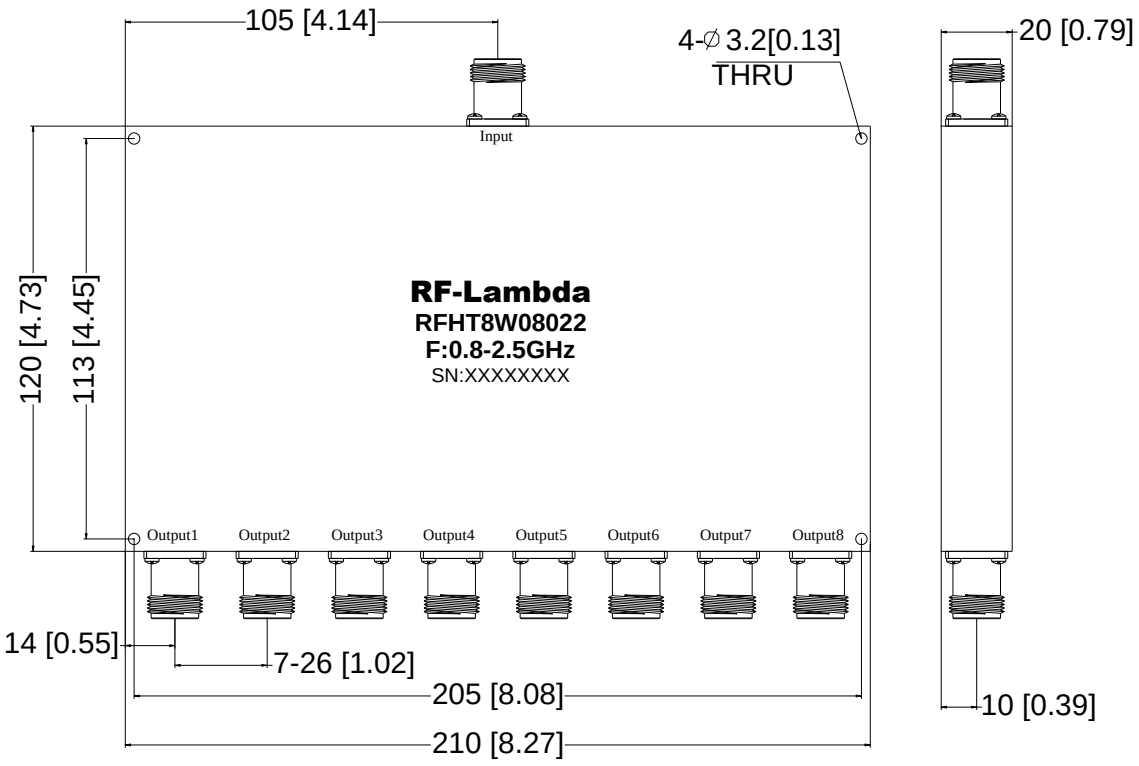
Phase Imbalance



Coaxial 100W 0° 8-Way Power Divider 0.8-2.5GHz

Outline Drawing:

All Dimensions in mm [inches]
Tolerance ±0.3 [0.012]



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.