



30W 1-4GHz 0° 2-Way Power Divider



- High power handle capability up to 30W
- 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.	Min.	Typ.	Max.	Units
Frequency Range	1		2	2		4	GHz
Nominal Splitter Loss		3			3		dB
Insertion Loss		0.3	0.4		0.4	0.5	dB
Isolation	20	23		20	22		dB
Input VSWR		1.25	1.3		1.25	1.3	
Output VSWR		1.15	1.2		1.15	1.2	
Amplitude Unbalance		0.1	0.2		0.2	0.3	dB
Phase Unbalance		1.5	2		2	3	deg
Power Rating	Forward Power	30					W
	Reverse Power	2					W
	Peak Power	0.2					KW
Impedance	50					Ohms	
Weight	20					g	
Operating Temperature	-45 to +85					°C	
Input / Output Connector	SMA-Female						
Material	Aluminum						
Finishing	Gray Paint						

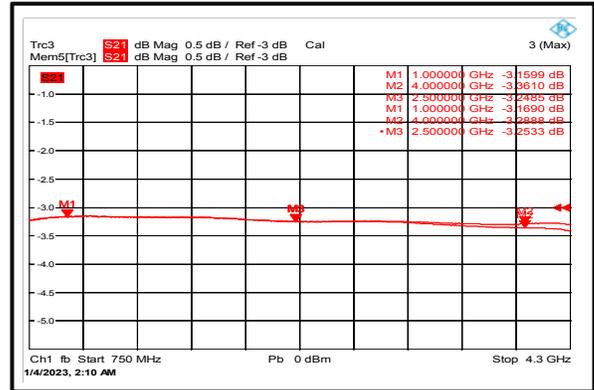


Environment specifications

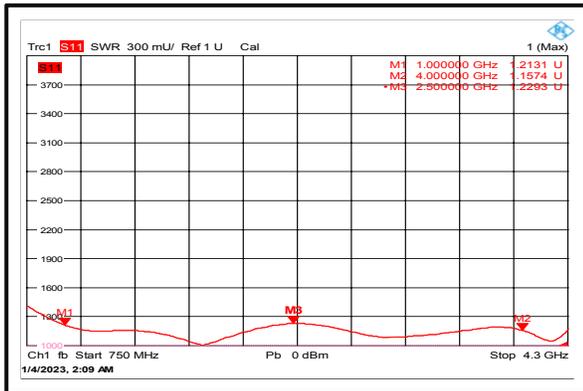
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH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

Typical Performance Plots

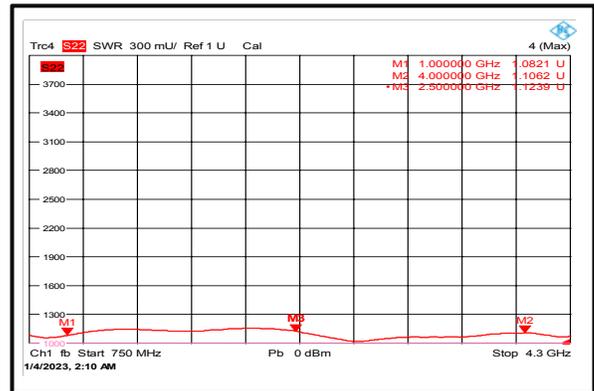
Loss & Amplitude Unbalance



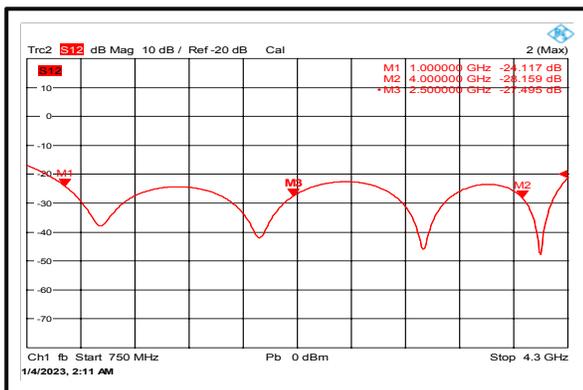
Input VSWR



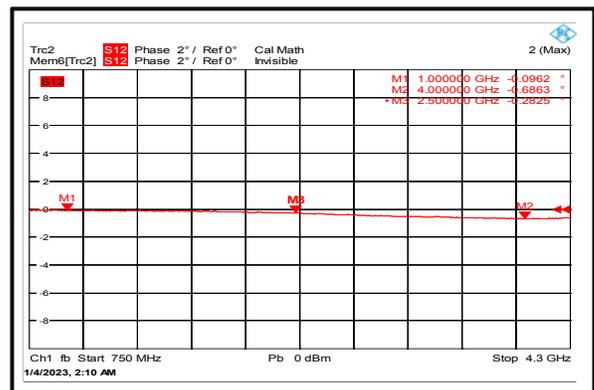
Output VSWR



Isolation



Phase Unbalance

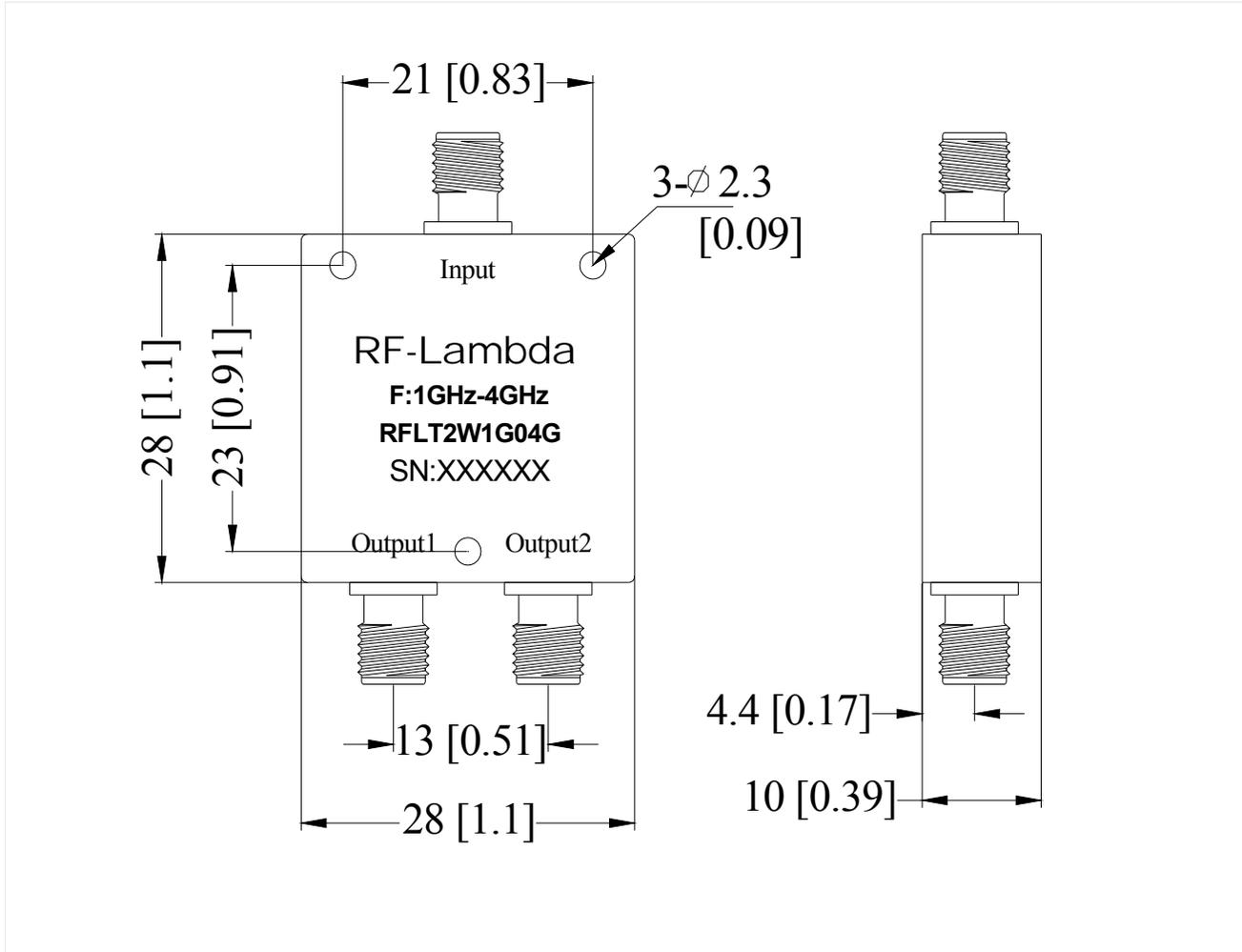




Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.2 (0.008)



Coaxial 30W 1-4GHz 0° 2-Way Power Divider

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