



10W 1-30MHz 0° 2-Way Power Divider



- High power handle capability up to 10W
- 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.	Units
Frequency Range	1		30	MHz
Nominal Splitter Loss		3		dB
Insertion Loss		0.2	0.3	dB
Isolation	25	30		dB
Input VSWR		1.15	1.25	
Output VSWR		1.15	1.25	
Amplitude Unbalance		0.05	0.1	dB
Phase Unbalance		0.5	1	deg
Power Rating	Forward Power	10		W
	Reverse Power	1		W
	Peak Power	0.1		KW
Impedance		50		Ohms
Weight		35		g
Operating Temperature		-20 to +60		°C
Input / Output Connector	SMA-Female			
Material	Aluminum			
Finishing	Gray Paint			

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RF-LAMBDA

The power beyond expectations

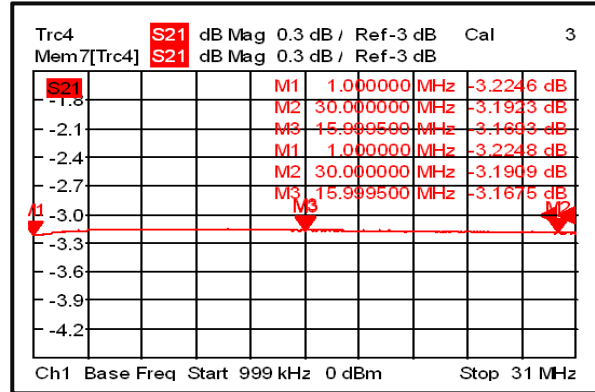
RFLT2W00030

Environment specifications

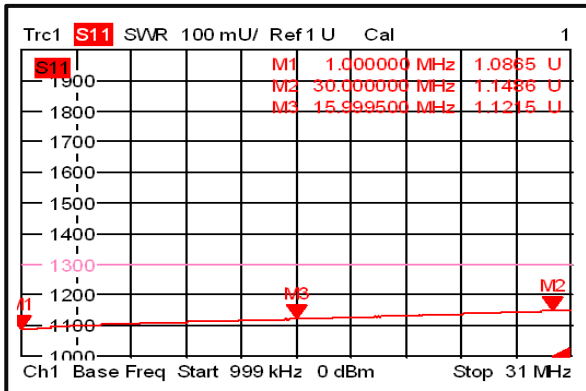
Operational Temperature (°C)	-20 to +60
Storage Temperature (°C)	-25 to +70
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave,3 axis both directions

Typical Performance Plots

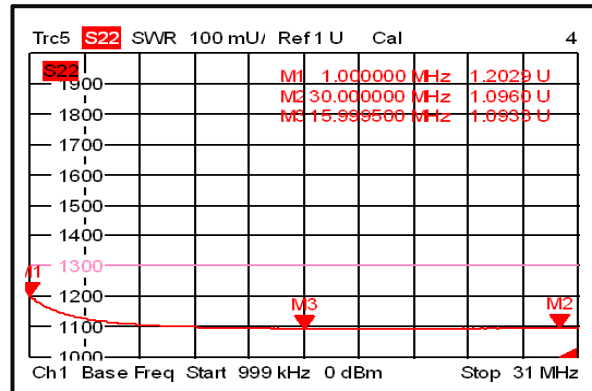
Loss & Amplitude Unbalance



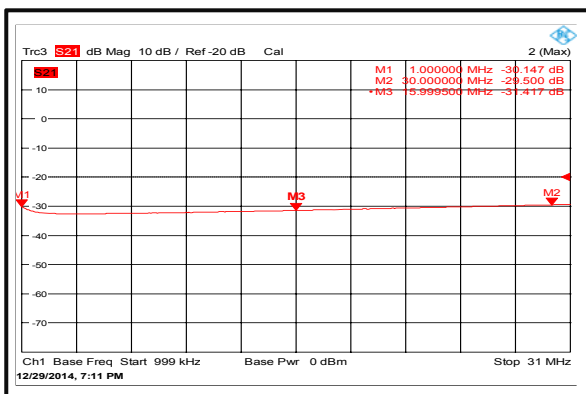
Input VSWR



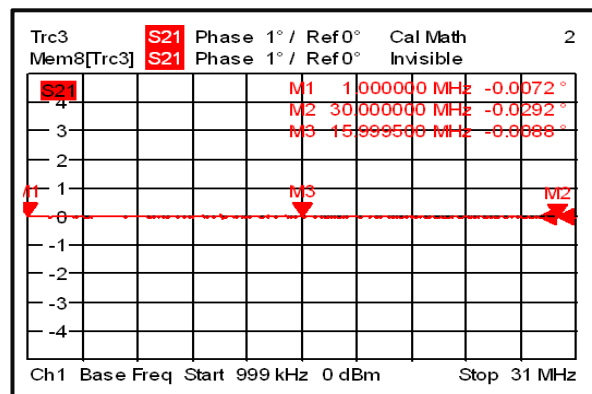
Output VSWR



Isolation



Phase Unbalance



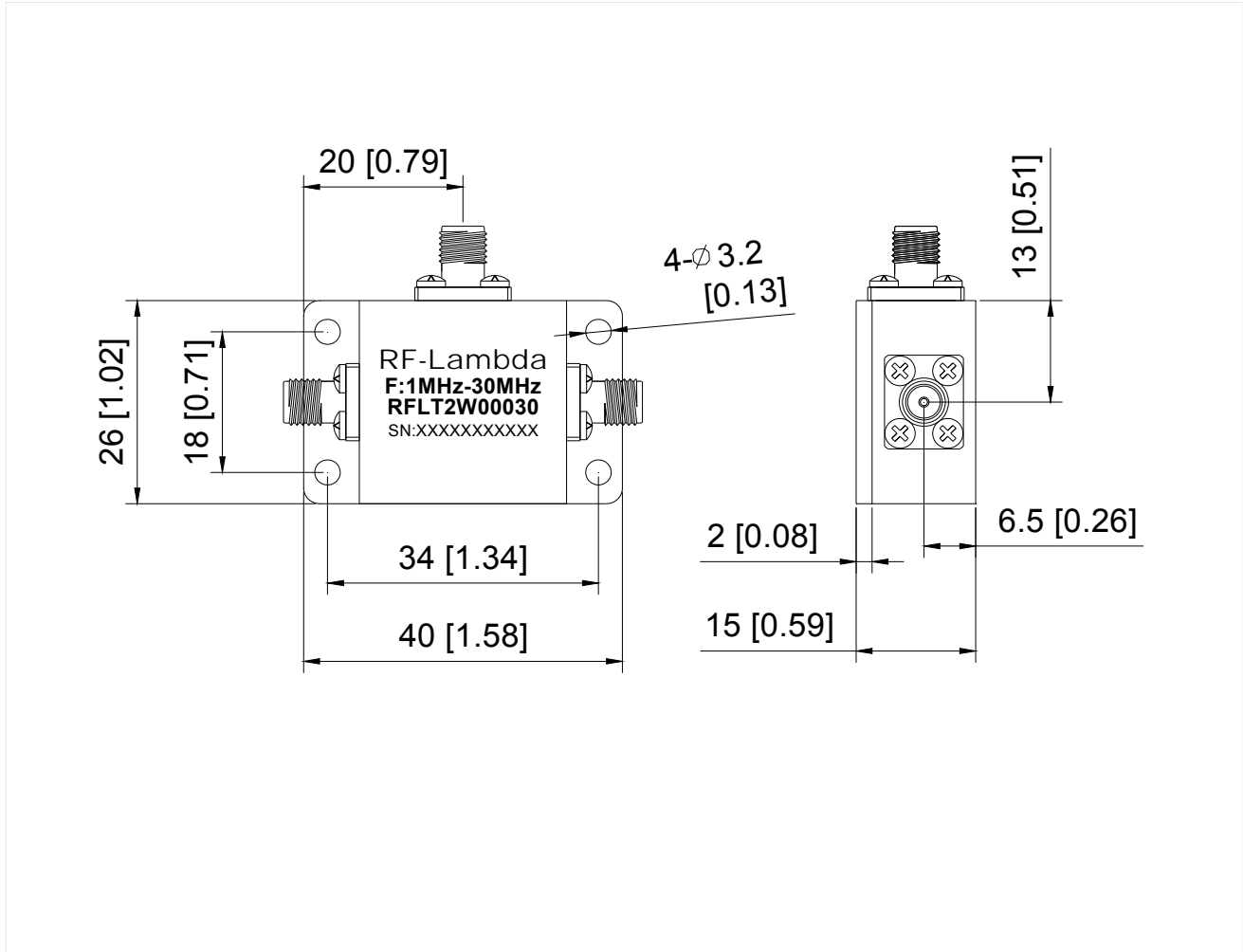
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Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.2 (0.008)



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