



30W 4-18GHz 0° 2-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.	Min.	Typ.	Max.	Units
Frequency Range	4		8	8		18	GHz
Nominal Splitter Loss		3			3		dB
Insertion Loss		0.3	0.4		0.5	0.7	dB
Isolation	18	20		18	20		dB
Input VSWR		1.4	1.5		1.4	1.5	: 1
Output VSWR		1.4	1.5		1.4	1.5	: 1
Amplitude Unbalance		0.1	0.2		0.1	0.2	dB
Phase Unbalance		2	3		3	4	deg
Power Rating	Forward Power	30					W
	Reverse Power	1					W
	Peak Power	300					W
Impedance	50					Ohms	
Weight	1.05					ounces	
Operating Temperature	-45 to +85					°C	
Input / Output Connector	SMA-Female						
Material	Aluminum						
Finishing	Blue Paint						

Coaxial 30W 4-18GHz 0° 2-Way Power Divider



RF-LAMBDA

LEADER OF BROADBAND SOLUTIONS

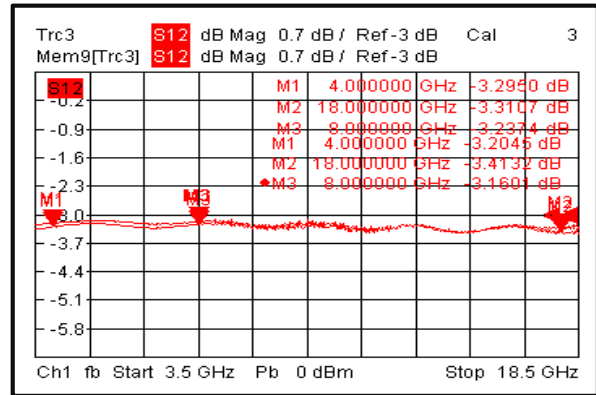
RFLT2W4G18G

Environmental Specifications

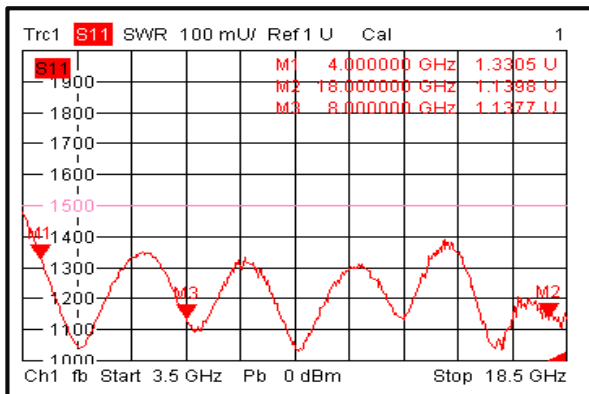
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH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

Typical Performance Plots

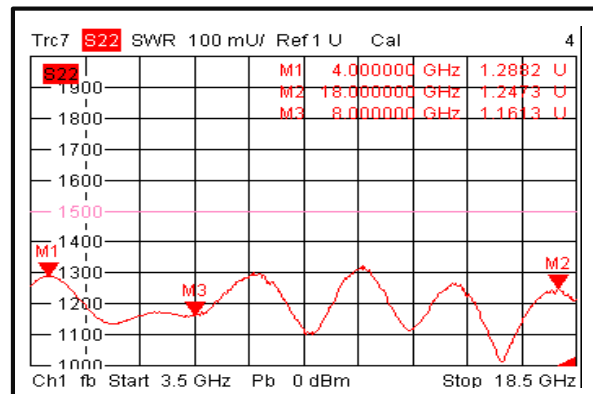
Loss & Amplitude Imbalance



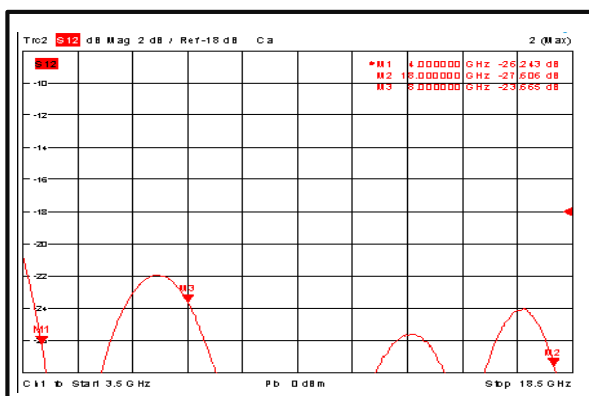
Input VSWR



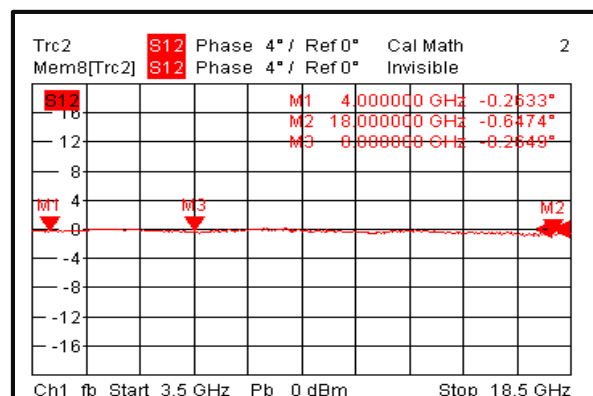
Output VSWR



Isolation



Phase Imbalance



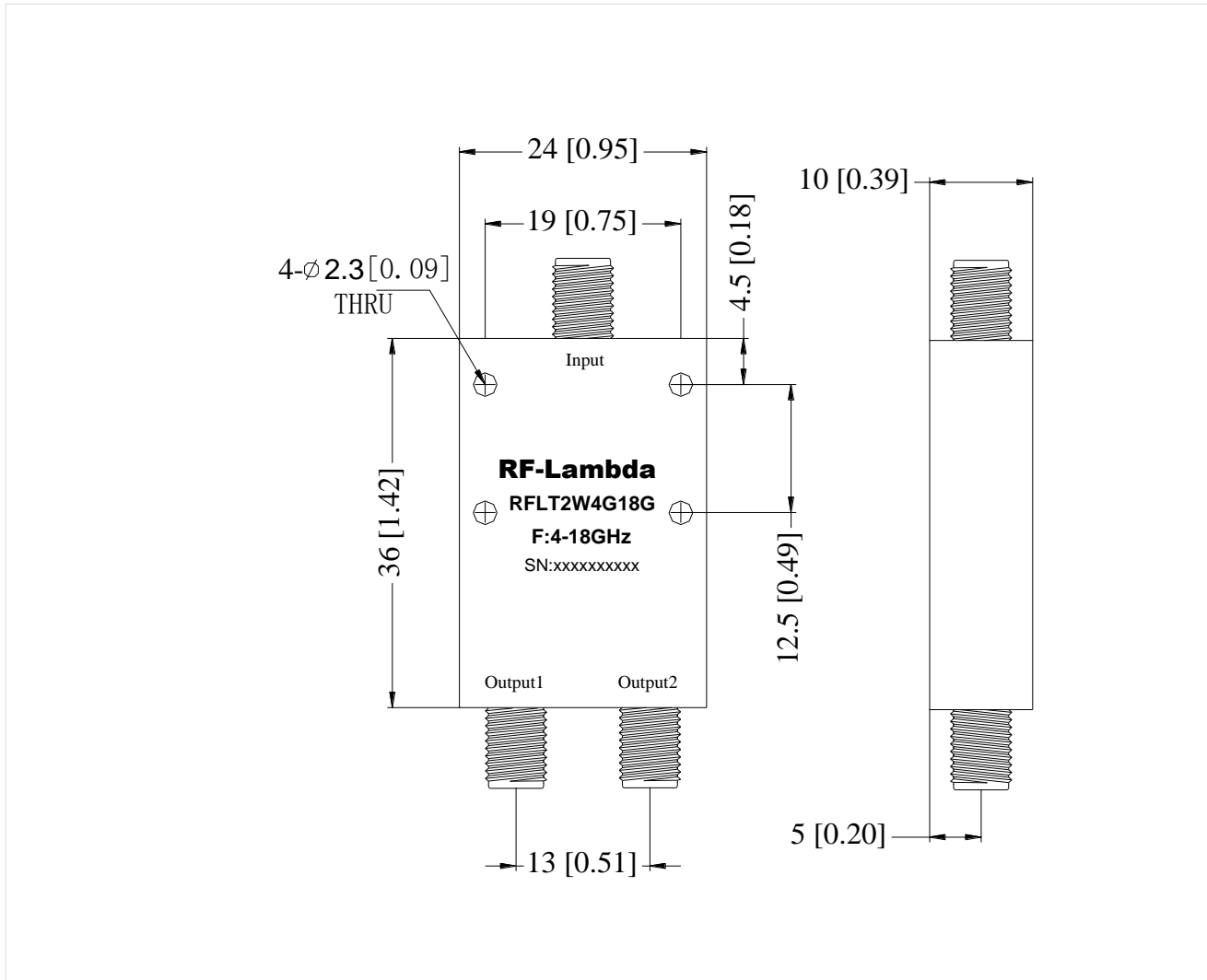
COAXIAL 30W 4-18GHz 0° 2-WAY POWER DIVIDER



Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.2 [0.008]



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