



30W 4-18GHz 0° 4-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		4		12	12		18	GHz
Nominal Splitter Loss			6			6		dB
Insertion Loss			1.1	1.5		1.2	1.6	dB
Isolation		18	20		18	19		dB
Input VSWR			1.5	1.6		1.4	1.6	
Output VSWR			1.3	1.5		1.4	1.5	
Amplitude Unbalance			±0.3	±0.4		±0.3	±0.4	dB
Phase Unbalance			±3	±6		±4	±6	deg
Power Rating	Forward Power	30						W
	Reverse Power	1						W
	Peak Power	0.2						KW
Impedance		50						Ohms
Weight		350						g
Operating Temperature		-45 to +85						°C
Input / Output Connector		N-Female						
Material		Aluminum						
Finishing		Gray Paint						

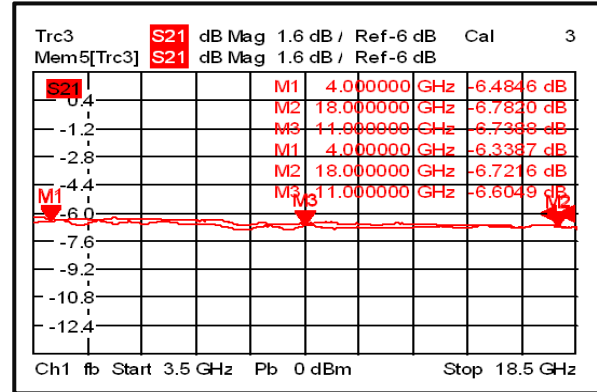


Environment specifications

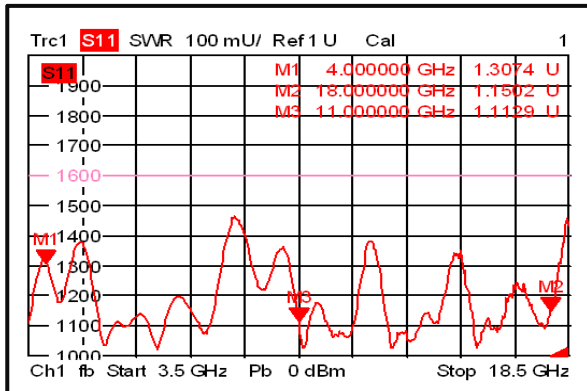
Operational Temperature (°C)	-45 ~ +85
Storage Temperature (°C)	-55 ~ +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH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

Typical Performance Plots

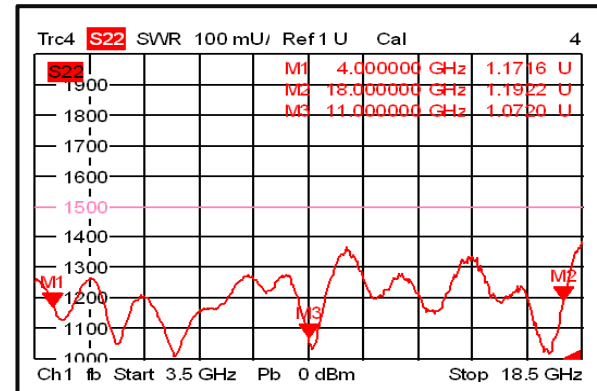
Loss & Amplitude Unbalance



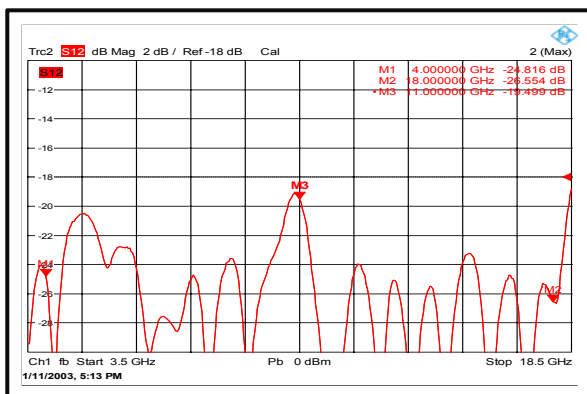
Input VSWR



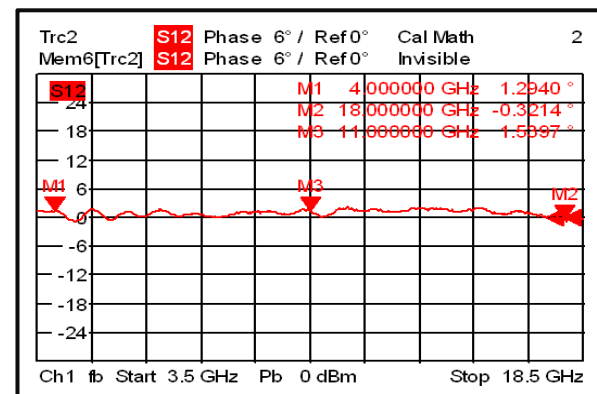
Output VSWR



Isolation



Phase Unbalance

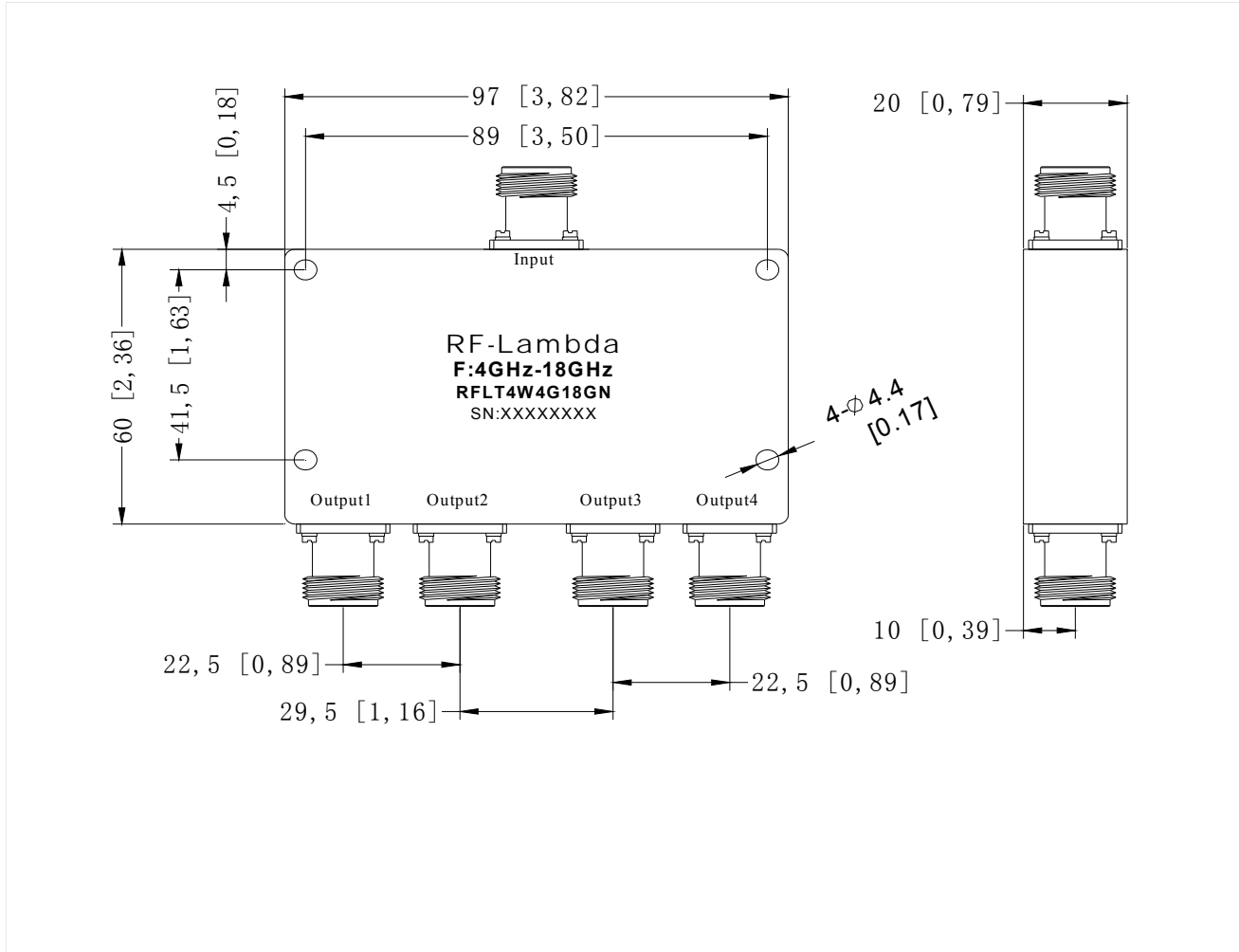




Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.25 (0.01)



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

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