



RF-LAMBDA

The power beyond expectations

RFLT4W5M18G

20W 0.5-18GHz 0° 4-Way Power Divider



- High power handle capability up to 20W
- Wide band operation
- High isolation within operational band
- Ultra 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.	Min.	Typ.	Max.	Units
Frequency Range		0.5		0.6	0.6		8	8		18	GHz
Nominal Splitter Loss			6			6			6		dB
Insertion Loss			0.8	0.9		1.3	1.5		2.0	2.5	dB
Isolation		15	16		18	20		16	18		dB
Input VSWR			2.0	2.1		1.5	1.6		1.55	1.65	
Output VSWR			1.25	1.35		1.25	1.35		1.3	1.4	
Amplitude Unbalance			±0.2	±0.3		±0.2	±0.3		±0.3	±0.4	dB
Phase Unbalance			±3	±5		±3	±5		±6	±8	deg
Power Rating	Forward Power	20									W
	Reverse Power	1									W
	Peak Power	0.1									KW
Impedance		50									Ohms
Weight		180									g
Operating Temperature		-45 to +85									°C
Input / Output Connector		SMA-Female									
Material		Aluminum									
Finishing		Gray Paint									

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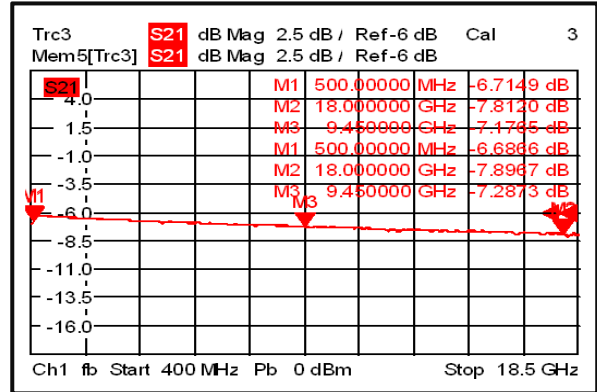
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Environment specifications

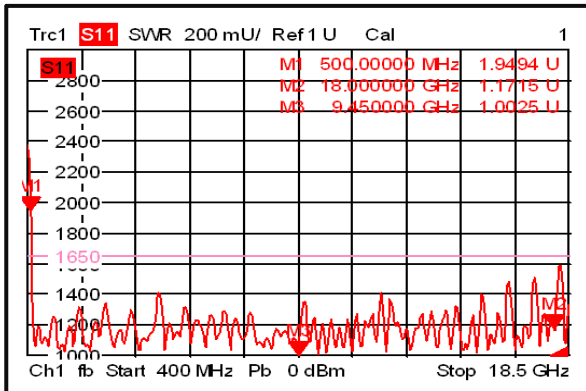
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH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

Typical Performance Plots

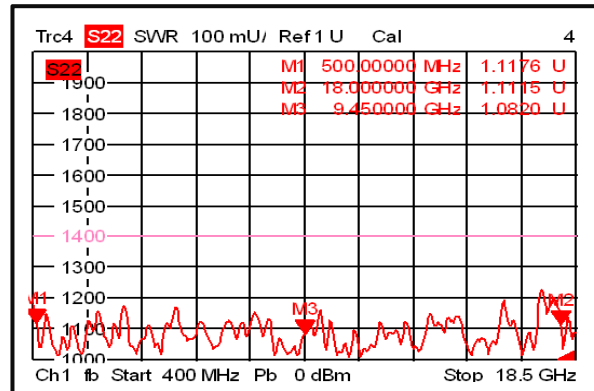
Loss & Amplitude Unbalance



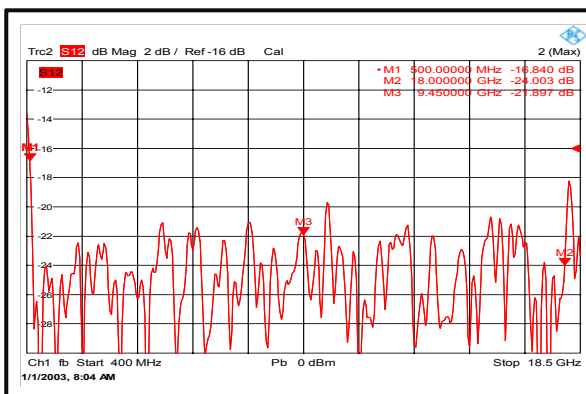
Input VSWR



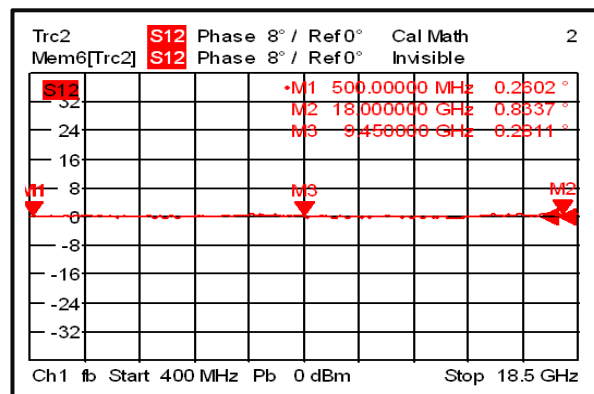
Output VSWR



Isolation



Phase Unbalance



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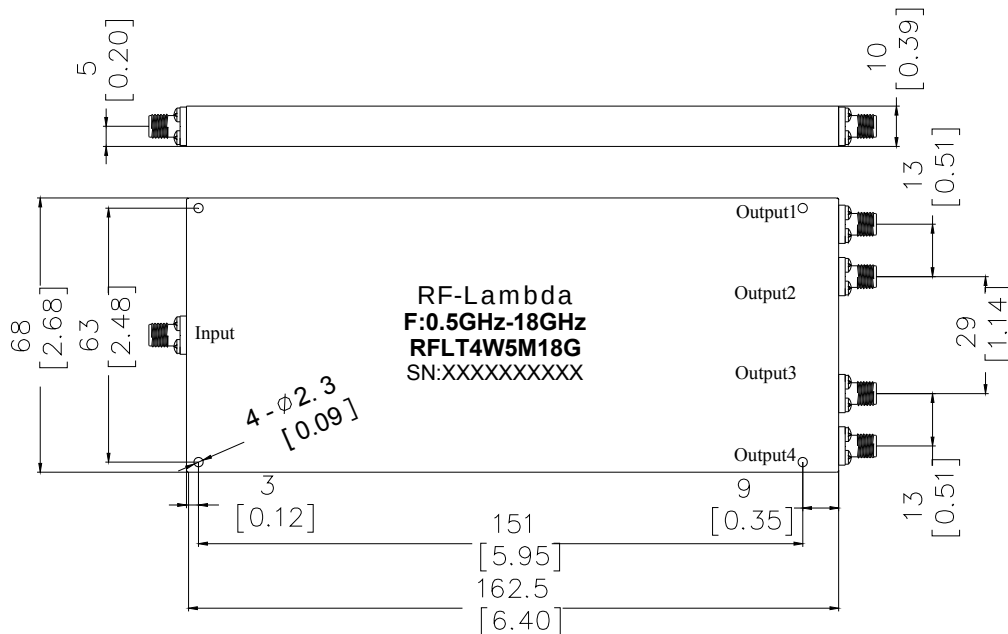
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Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.25 (0.01)



Important Notice

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