



RF-LAMBDA

LEADER OF BROADBAND SOLUTIONS

RFLT4W0500MN

10W 10-500MHz 0° 4-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.	Min.	Typ.	Max.	Units
Frequency Range		0.01		0.2	0.2		0.5	GHz
Nominal Splitter Loss			6			6		dB
Insertion Loss			0.7	0.8		1.2	1.3	dB
Isolation		20	22		20	22		dB
Input VSWR			1.3	1.4		1.3	1.4	
Output VSWR			1.3	1.4		1.3	1.4	
Amplitude Unbalance			±0.15	±0.25		±0.2	±0.3	dB
Phase Unbalance			±1	±2		±1	±2	deg
Power Rating	Forward Power	10						W
	Reverse Power	1						W
	Peak Power	0.1						KW
Impedance		50						Ohms
Weight		4.59						ounces
Operating Temperature		-25 to +70						°C
Input / Output Connector		N-Female						
Material		Aluminum						
Finishing		Gray Paint						

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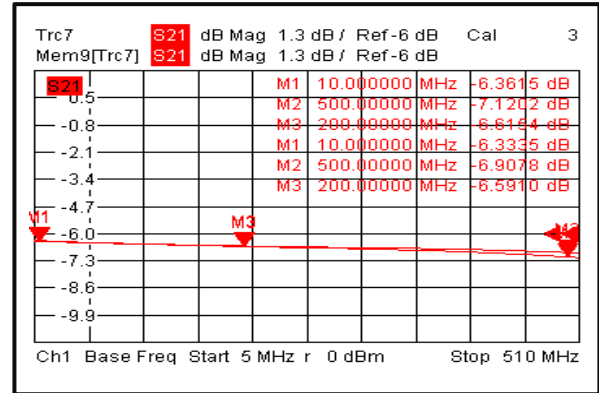
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Environment specifications

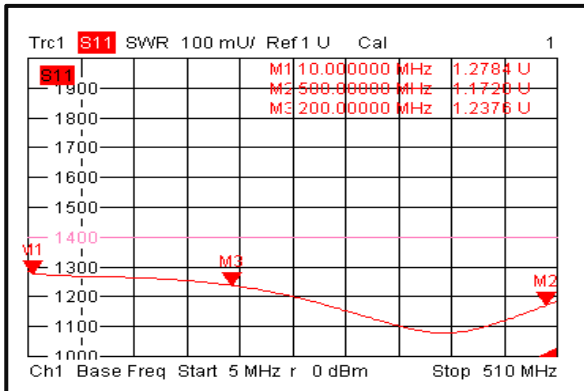
Operational Temperature (°C)	-25 to +70
Storage Temperature (°C)	-40 to +85
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave,3 axis both directions

Typical Performance Plots

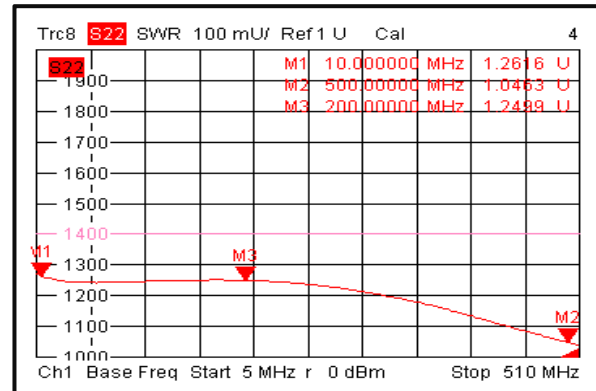
Loss & Amplitude Unbalance



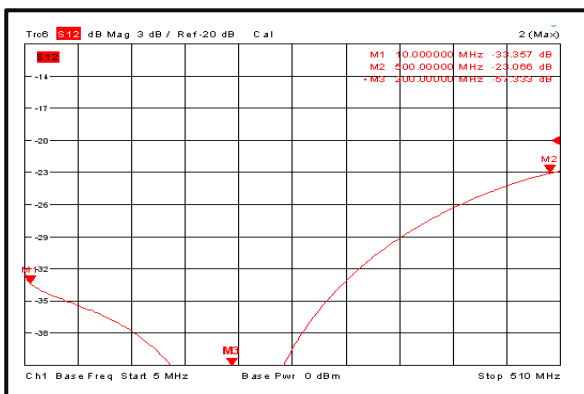
Input VSWR



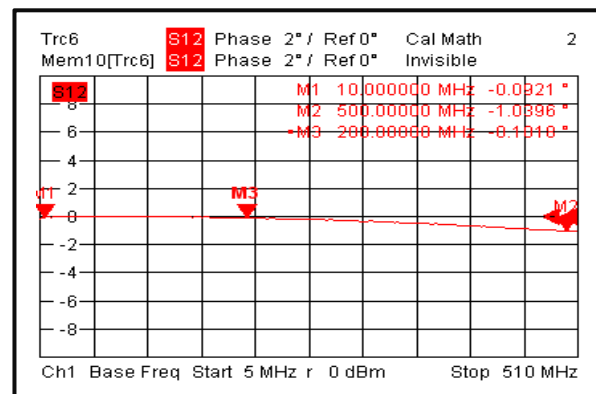
Output VSWR



Isolation



Phase Unbalance



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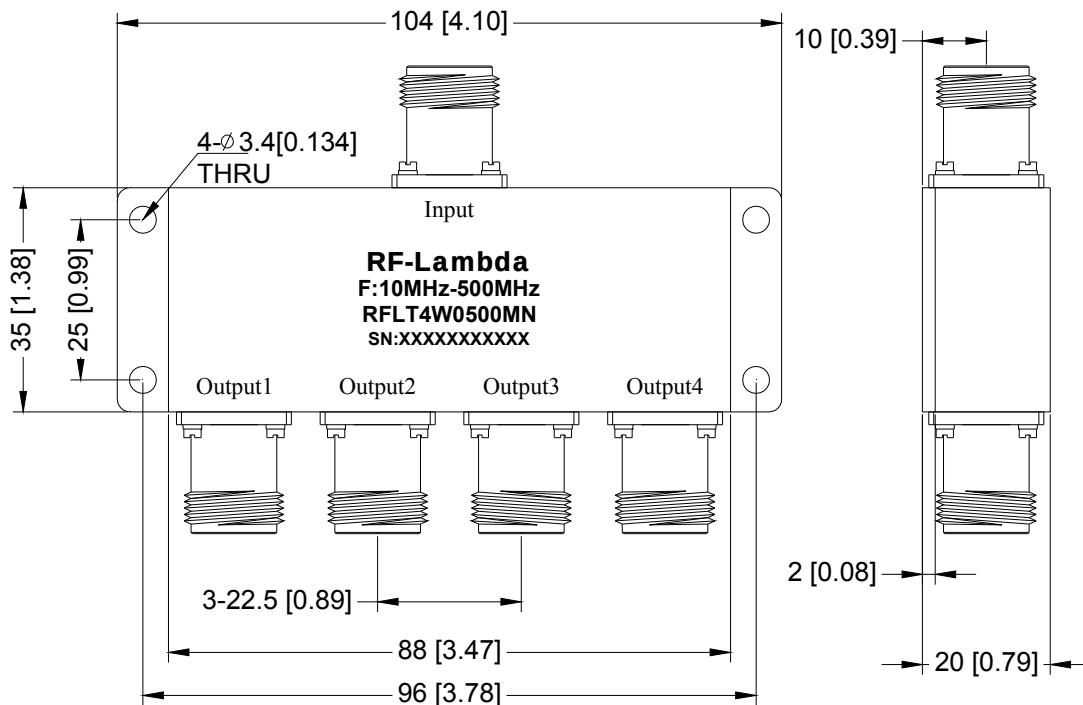
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Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.25 (0.01)



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