



RF-LAMBDA

LEADER OF BROADBAND SOLUTIONS

RFLT8W0500MN

10W 5-500MHz 0° 8-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		5		500	MHz
Nominal Splitter Loss			9		dB
Insertion Loss			1.8	2.0	dB
Isolation		20	24		dB
Input VSWR			1.3	1.5	
Output VSWR			1.25	1.4	
Amplitude Unbalance				±0.3	dB
Phase Unbalance				±2	deg
Power Rating	Forward Power	10			W
	Reverse Power	1			W
	Peak Power	0.1			KW
Impedance		50			Ohms
Weight		/			ounces
Operating Temperature		-45 to +85			°C
Input / Output Connector		N-Female			
Material		Aluminum			
Finishing		Gray Paint			

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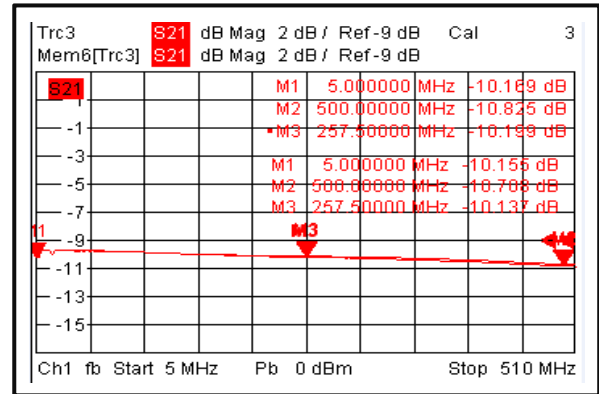
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Environment specifications

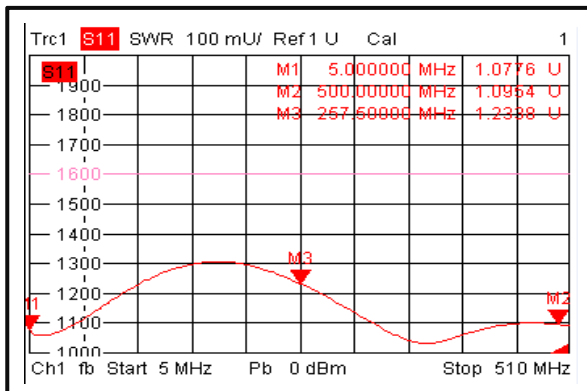
Operational Temperature (°C)	-45°C to +85°C
Storage Temperature (°C)	-55°C to +125°C
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25grms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c,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

Typical Performance Plots

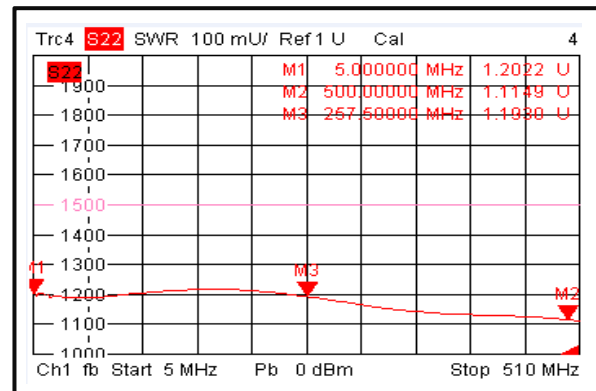
Loss & Amplitude Unbalance



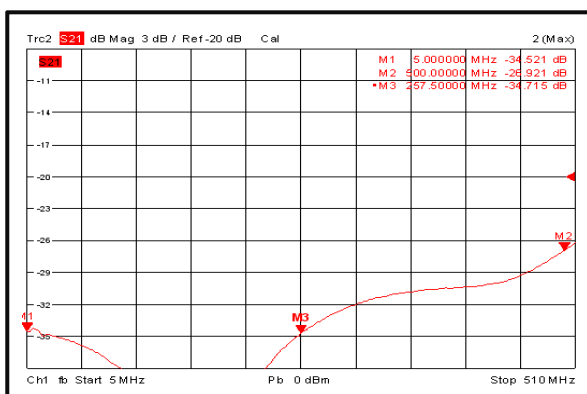
Input VSWR



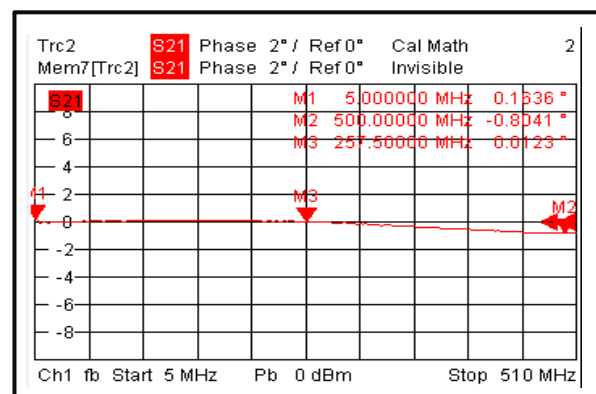
Output VSWR



Isolation



Phase Unbalance



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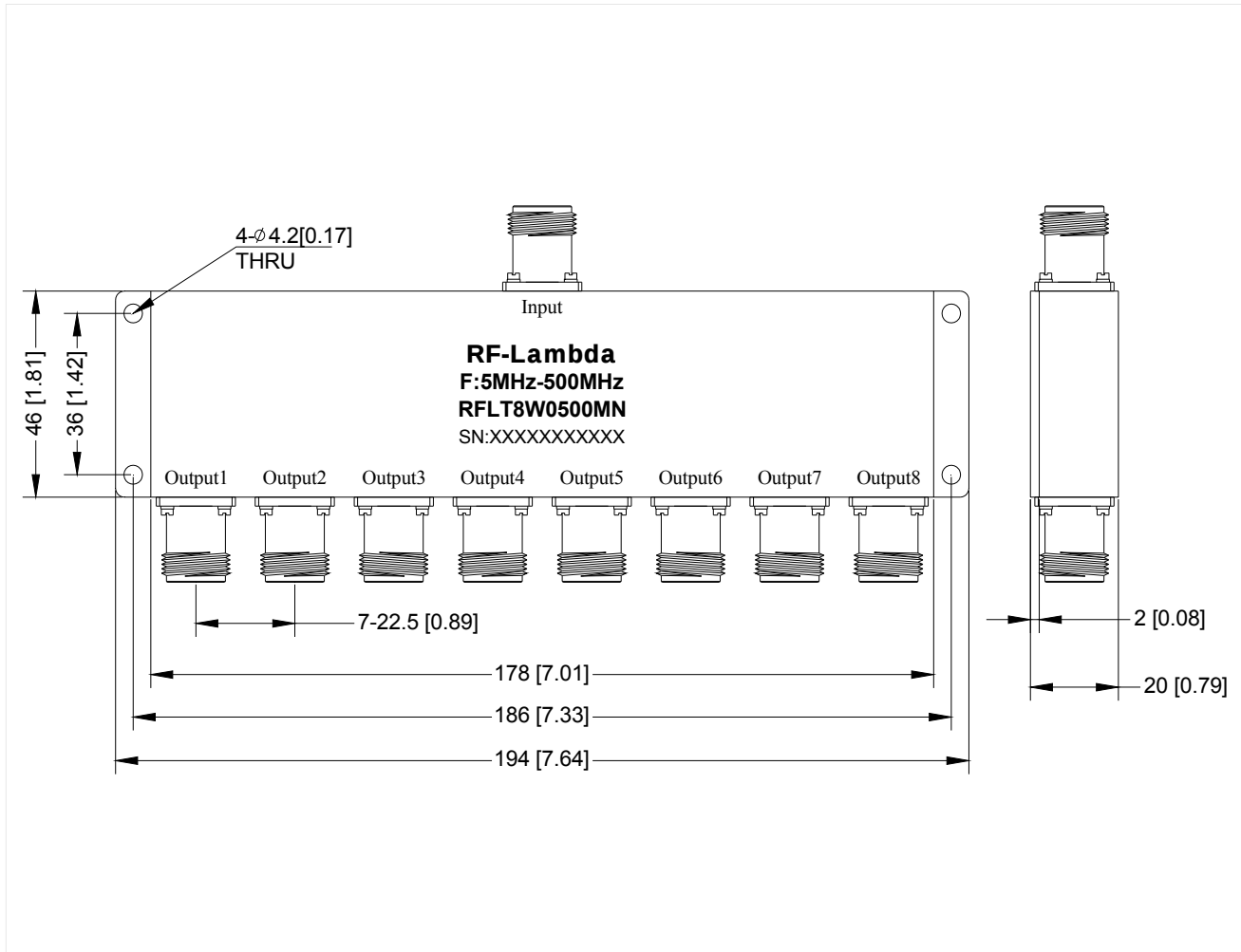
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Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.3 (0.012)



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