

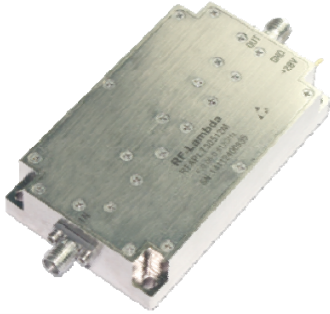


RF-LAMBDA

LEADER OF BROADBAND SOLUTIONS

RFAPLT30512M

Ultra Wide Band 60- 512MHz Input Over Drive Front End Protector



Features

- Ultra Wide Band
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handle Capability up to 2W
- Customization available upon request

Electrical Specifications, $T_A=25\text{ }^{\circ}\text{C}$

Parameters	Min.	Typ.	Max.	Units
Frequency Range	60		512	MHz
CW Input Power			2	W
Peak Power(($<10\% <2\mu\text{s}$))		-		W
Insertion Loss		0.8	1.2	dB
VSWR		1.4		
Flat Leakage			-20	dBm
Peak Power Leakage		-		dBm
Operating Temperature	-45 to +85			$^{\circ}\text{C}$
Weight	5.99			ounces
Input / Output Connector	SMA-Female/SMA-Female			
Material	Aluminum			
Finishing	Nickel Plating			

Environment specifications

Operational Temperature ($^{\circ}\text{C}$)	-45 to +85
Storage Temperature ($^{\circ}\text{C}$)	-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

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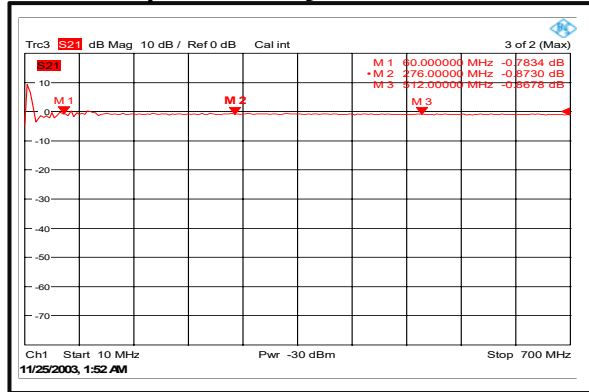
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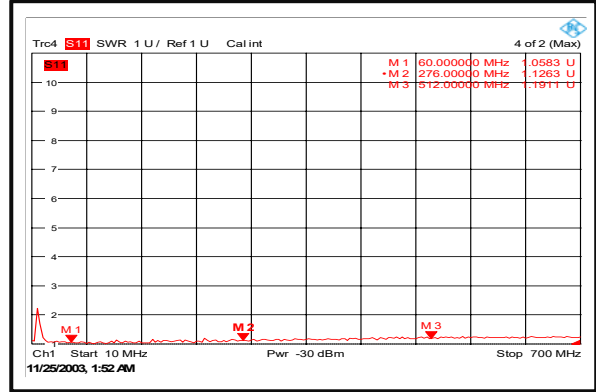
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Typical Performance Plots

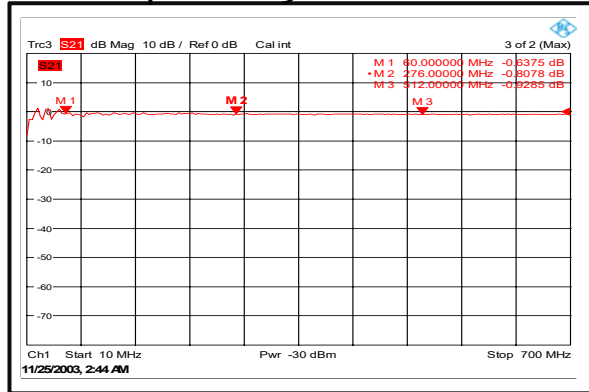
LOSS Temperature +25°C



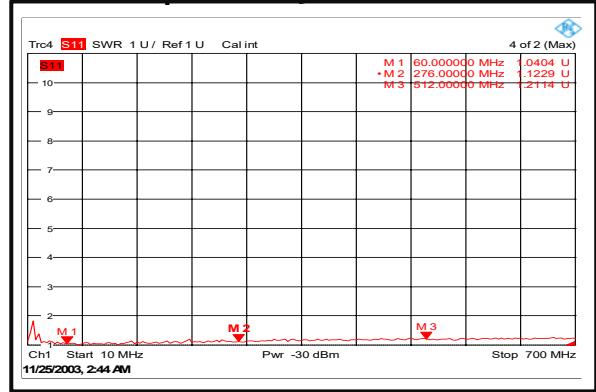
VSWR Temperature +25°C



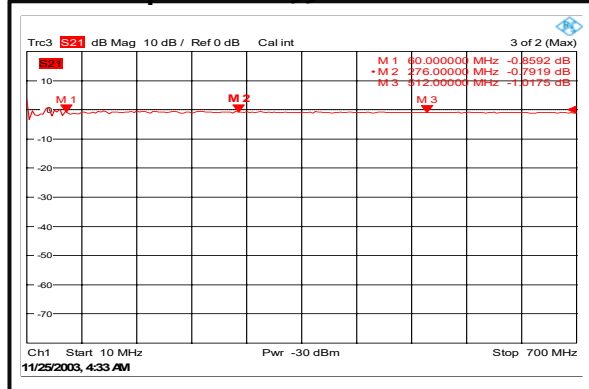
LOSS Temperature -30°C



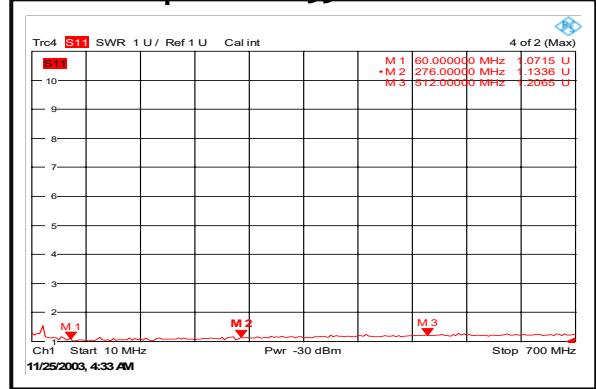
VSWR Temperature -30°C



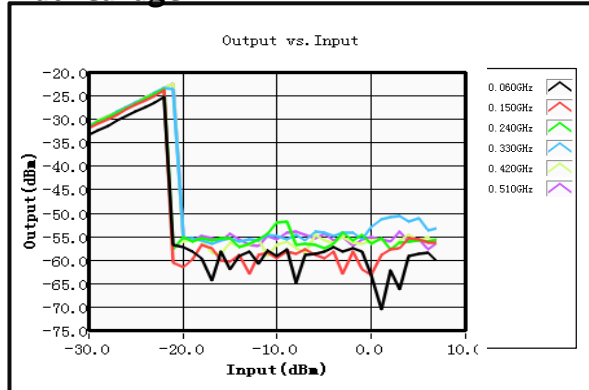
LOSS Temperature +55°C



VSWR Temperature +55°C



Flat Leakage



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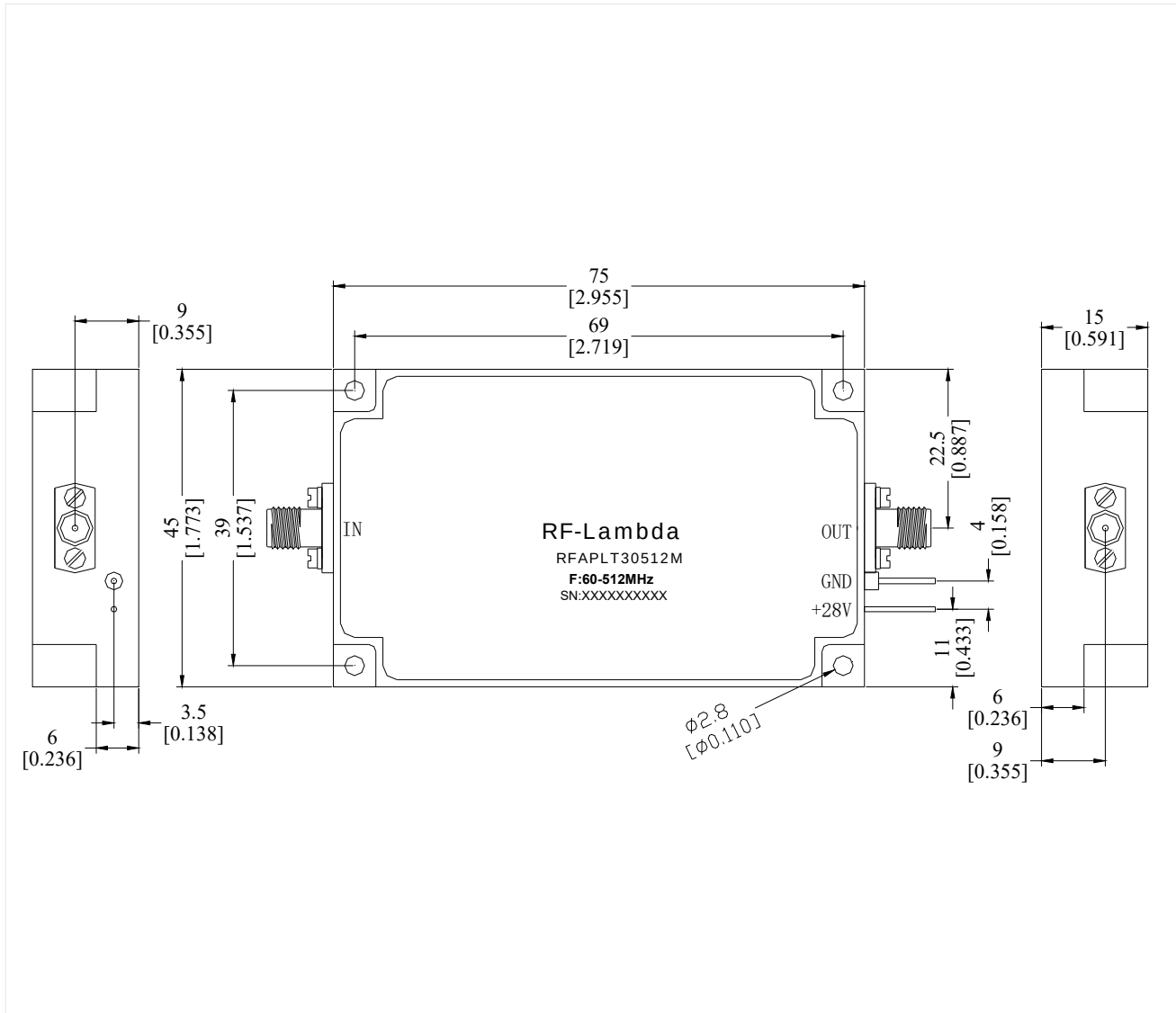
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Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.1 (0.0039)



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