



5W Wide Band Power Limiter 0.1 – 0.5 GHz



Features

- Wide Band Operation 0.1-0.5GHz
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handling Capability
- Customization available upon request

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

Parameters	Min.	Typ.	Max.	Units
Frequency Range	0.1-0.5			GHz
CW Input Power			5	W
Peak Power (30 μ s with 5% duty cycle)			15	W
Insertion Loss		0.3	0.6	dB
VSWR		1.1	1.3	:1
Flat Leakage at PIN > 30 dBm		17	20	dBm
Peak Power Leakage		20	25	dBm
Weight	0.35			ounces
Input / Output Connectors	SMA-Female			
Material	Aluminum			
Finish	Gold Plated			

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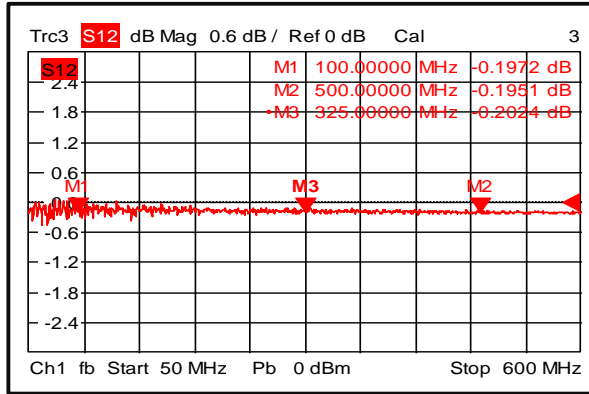
Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-45°C~+85°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85°C for 72 Hours
Shock		1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude		Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883	MIL-STD-883 (For Hermetically Sealed Units)

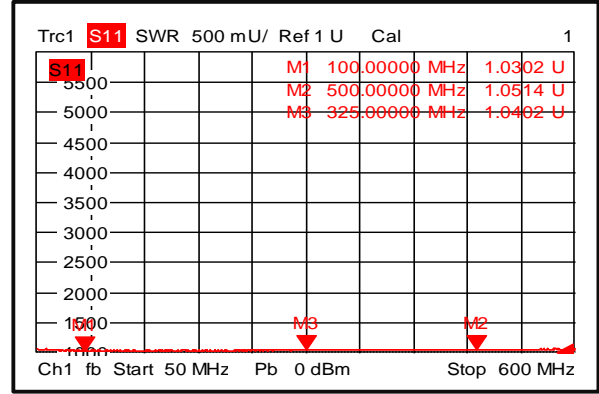


Typical Performance Plots

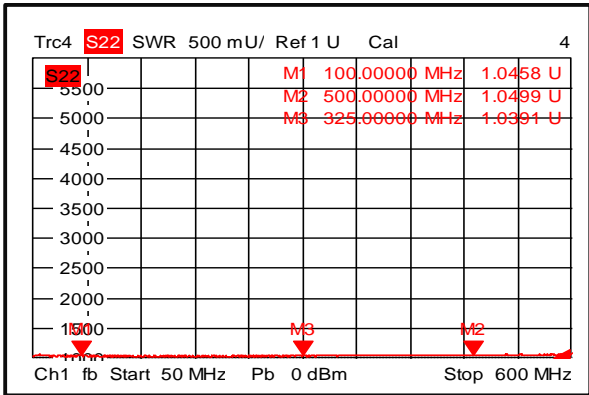
Insertion Loss



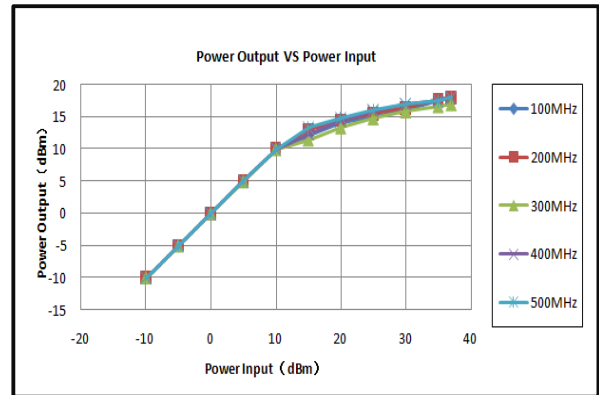
Input VSWR



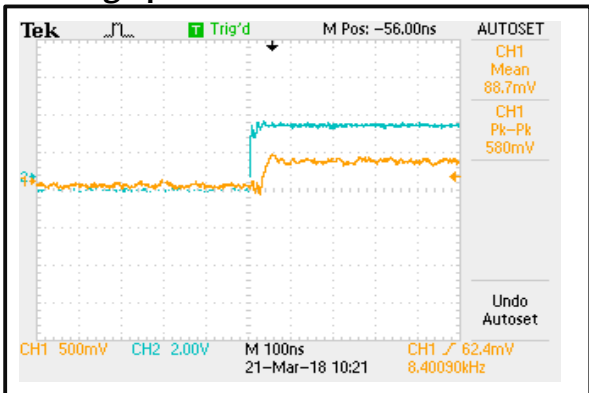
Output VSWR



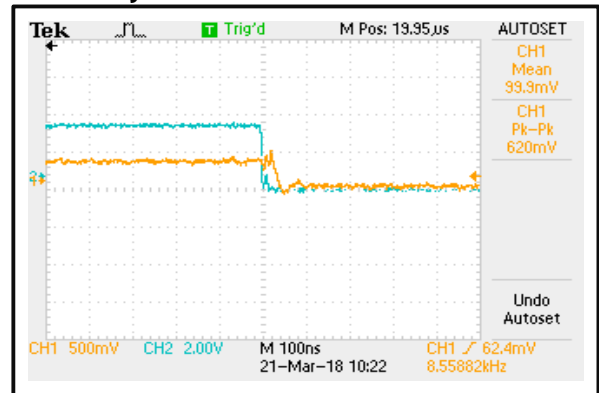
Flat Leakage



Limiting Speed



Recovery Time



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RF-LAMBDA

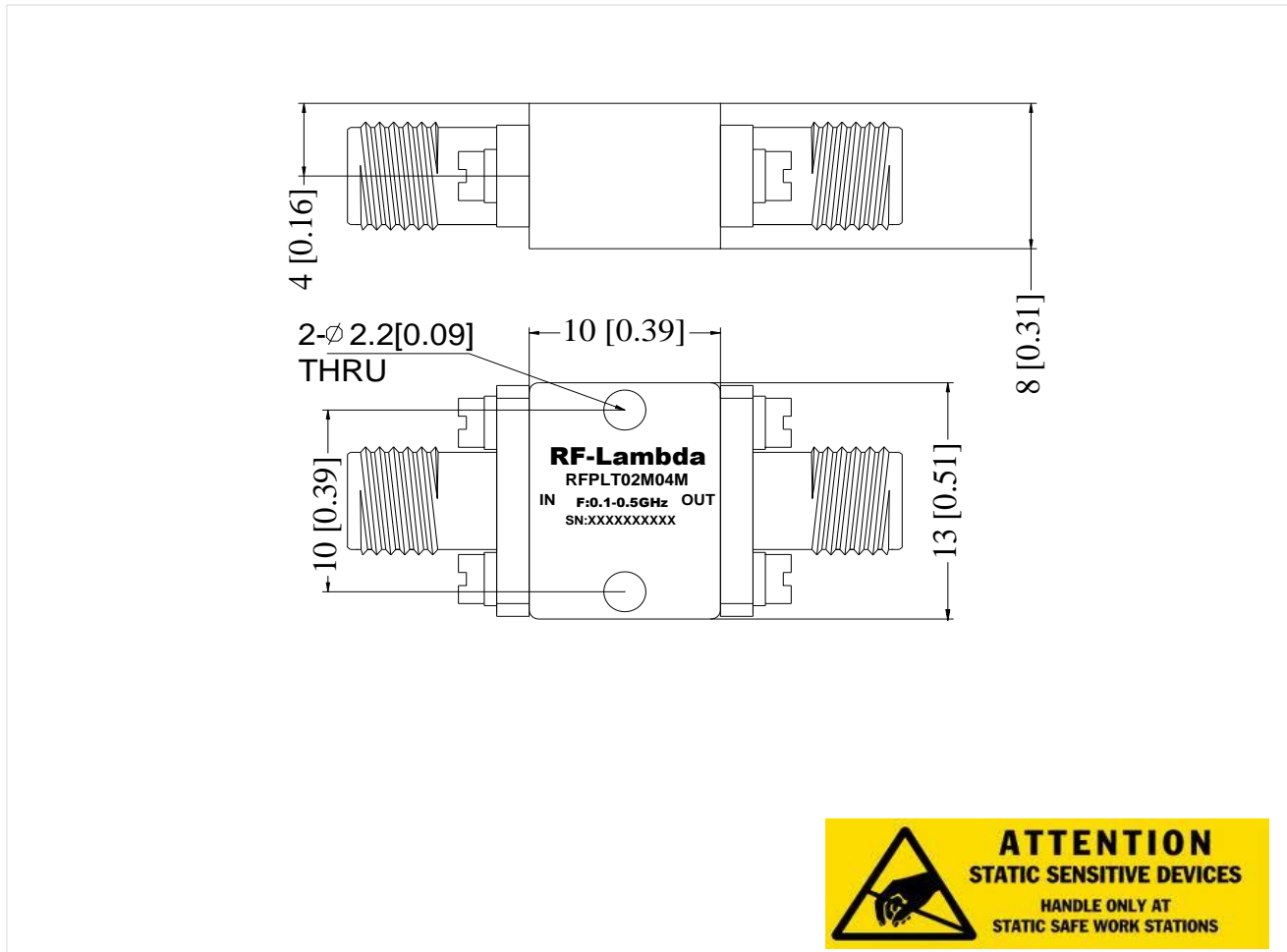
LEADER OF RF BROADBAND SOLUTIONS

RFPLT02M04M

Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.1 [0.004]



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