Wide Band 200W Power Limiter
2 - 4 GHz

RoHS Compliant

Features

- Wide Band Operation 2-4GHz
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handle Capability up to 200W
- Customization available upon request

Typical Applications

- Wireless Infrastructure
- Test and Measurement
- Military & Aerospace

Electrical Specifications, T_A=25 ℃

Parameters	Min.	Typ.	Max.	Units
Frequency Range	2		4	GHz
Incident Power, Pulsed (500 us / 15%),50Ω, 25 °C		53	54	dBm
Incident Power, Pulsed (500 us / 15%),50Ω, 85 °C			50.5	dBm
Insertion Loss		0.9	1.1	dB
VSWR		1.4	1.5	: 1
Flat Leakage		< 18		dBm
Peak Power Leakage at PIN > 30 dBm		< 18		dBm
Weight	1.06			ounces
Input / Output Connectors	SMA-Female			
Material	Aluminum			
Finish	Gold Plated			

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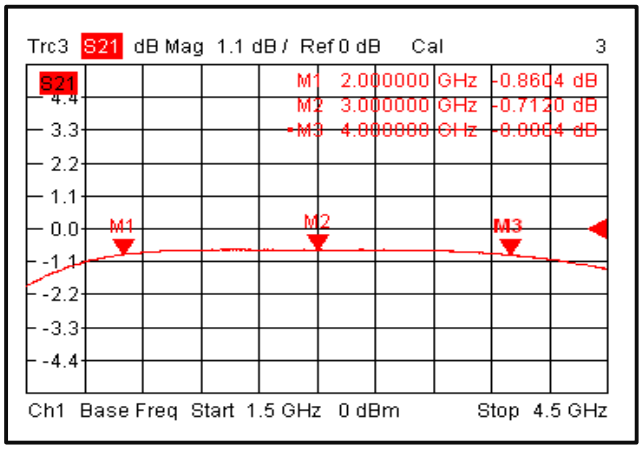
Environmental Specifications and Test Standards

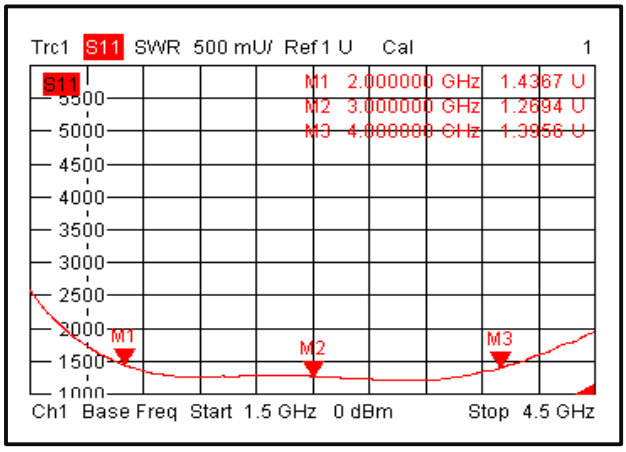
Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-45℃~+85℃
Storage Temperature		-55℃~+125℃
Thermal Shock		1 Hour@ -45℃ → 1 Hour @ +85℃ (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85℃ for 72 Hours
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

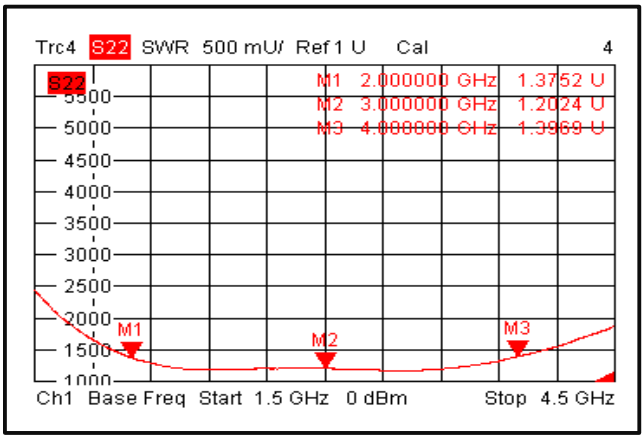
Insertion Loss



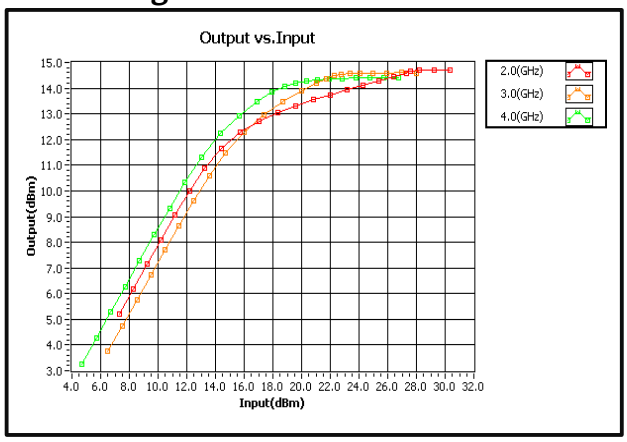
Input VSWR



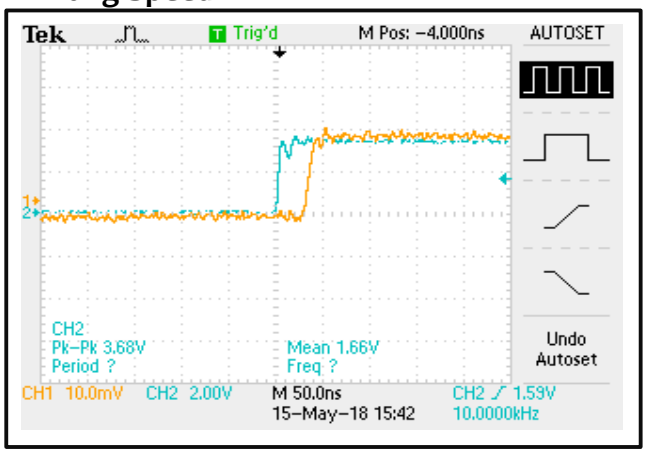
Output VSWR



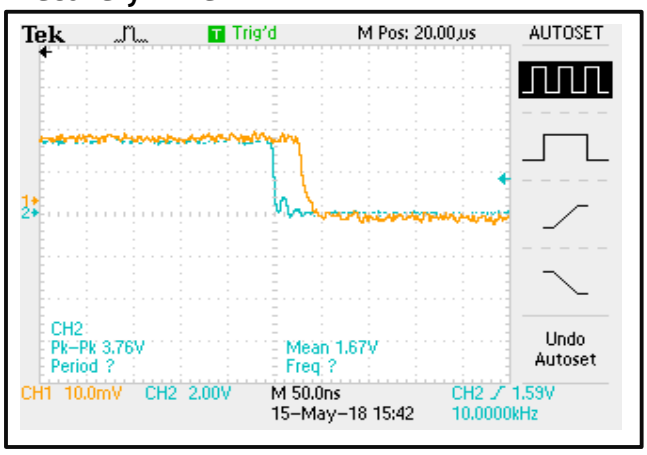
Flat Leakage Power



Limiting Speed



Recovery Time



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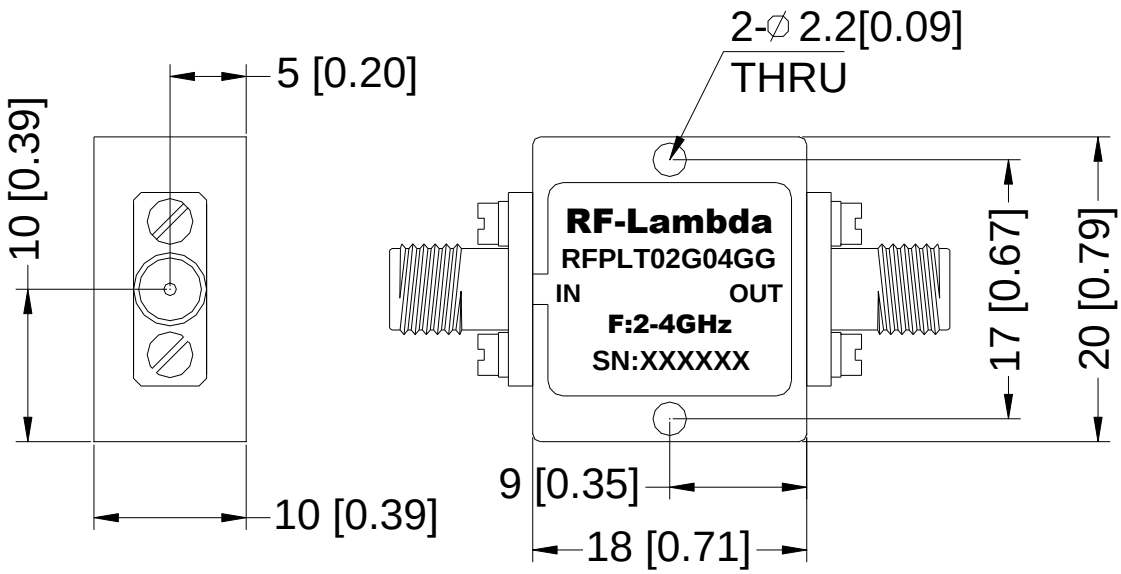
Outline Drawing:

All Dimensions in mm [inches] Tolerance ±0.1 [0.004]



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