



1-26GHz Hermetical Sealed Power Limiter



Features

- Ultra Wide Band Operation 1-26GHz
- Passive High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handling Capability up to 10W
- Customization available upon request

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

Parameters	Min	Typ	Max	Min	Typ	Max	Units
Frequency Range	1 ~ 4		4 ~ 26		GHz		
CW Input Power		25	27		25	27	dBm
Peak Power Handling (1.0 μs pulse width, 1% duty cycle, $\leq 15\text{ ns}$ rise time)			45			45	dBm
Insertion Loss		1	1.5		2.5	3.5	dB
VSWR		1.5	2		1.6	2	: 1
Flat Leakage Power		15	17		14	15	dBm
Peak Power Leakage		18	19		16	17	dBm
Weight	1.2						ounces
Input / Output Connectors	SMA-Female / SMA-Male						
Material	Aluminum						
Finishing	Gold Plating						
Sealing	Hermetically Sealed (Laser Welded)						

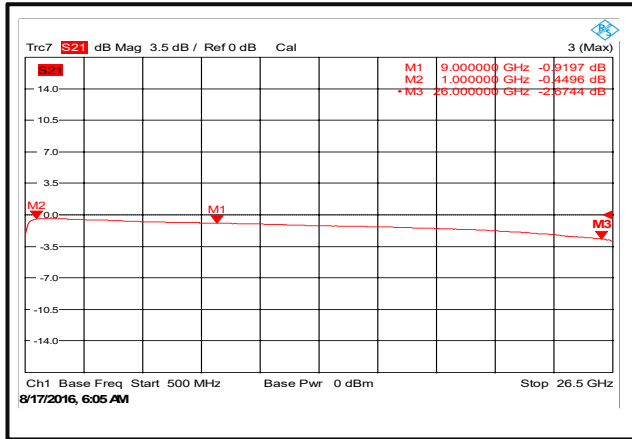
Environmental Specifications

Operational Temperature ($^\circ\text{C}$)	-55 to +85
Storage Temperature ($^\circ\text{C}$)	-55 to +125
Altitude	35,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35 $^\circ\text{C}$, 95%RH at 40 $^\circ\text{C}$
Shock	20G for 11msec half sine wave, 3 axis both directions

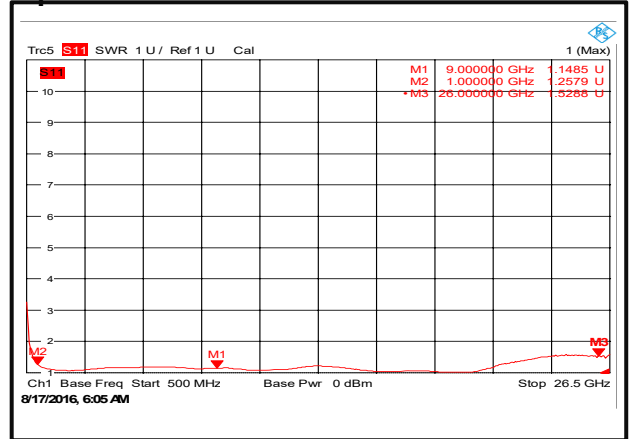


Typical Performance Plots

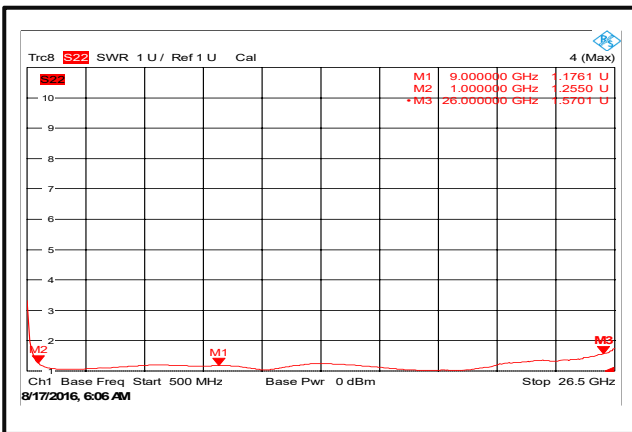
Insertion Loss



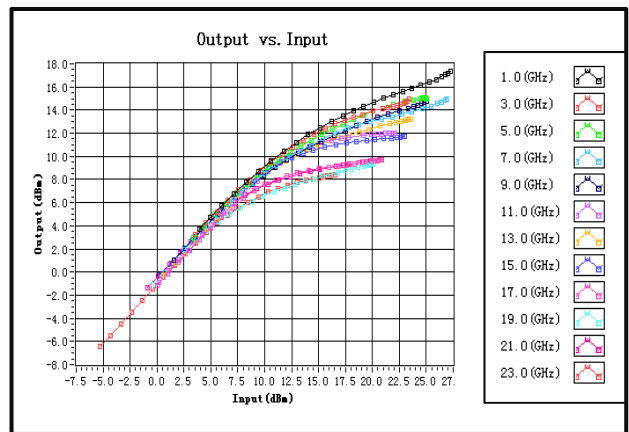
Input VSWR



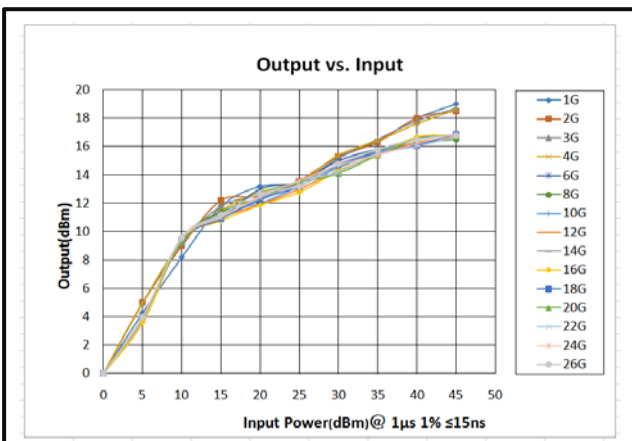
Output VSWR



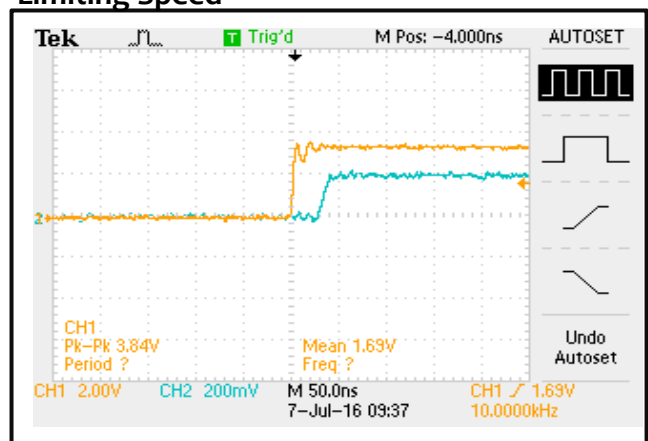
Flat Leakage Power



Peak Power Leakage

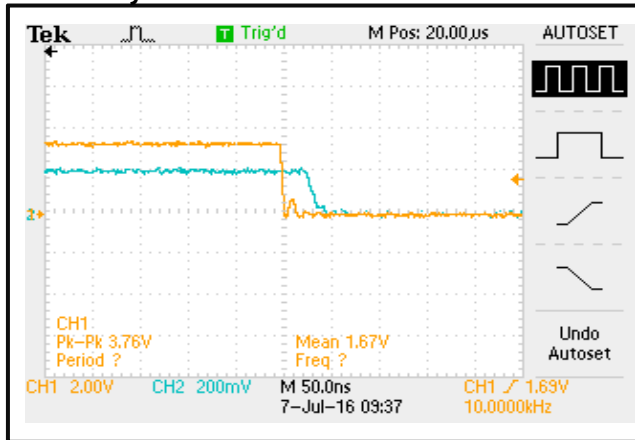


Limiting Speed





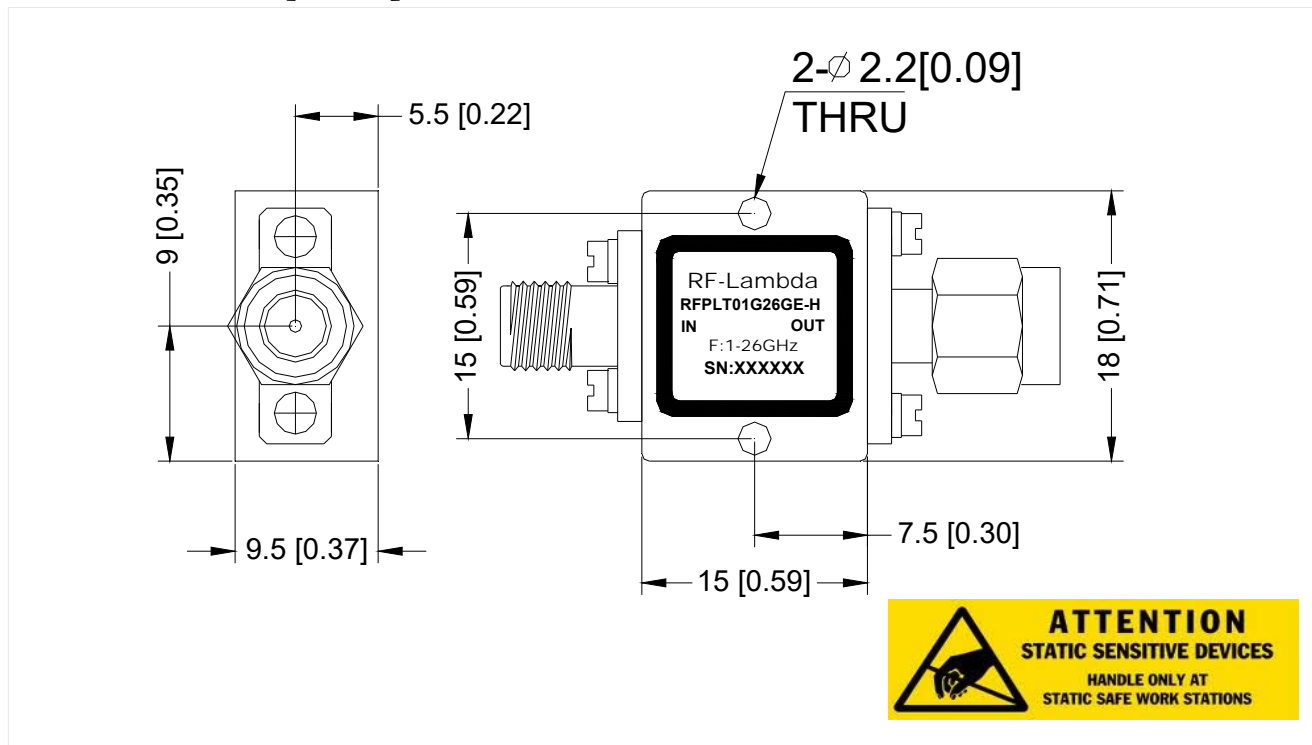
Recovery time



Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.1 [0.004]



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