

Wide Band Power Limiter 4 - 8GHz



Features

- Wide Band Operation 4-8GHz
- Low Insertion Loss
- High Power Handling Capability
- Customization available upon request

Typical Applications

- Wireless Infrastructure
- Test and Measurement
- Military and Aerospace

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

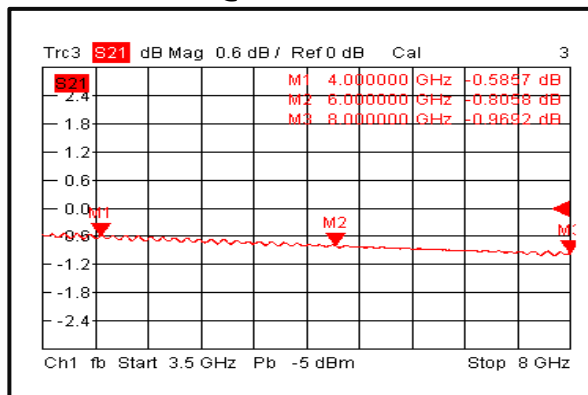
Parameter	Min.	Typ.	Max.	Units
Frequency Range	4		8	GHz
CW Input Power			5	W
Peak Power (30us with 10% duty cycle)			10	W
Insertion Loss		1.0	1.2	dB
VSWR		1.3	1.5	:1
Flat Leakage		18	21.5	dBm
Peak Power Leakage			27	dBm
Weight	0.5 Max.			Ounces
Input / Output Connectors	SMA - Female			
Material	Aluminum			
Finish	Gold Plated			

Environmental Specifications and Test Standards

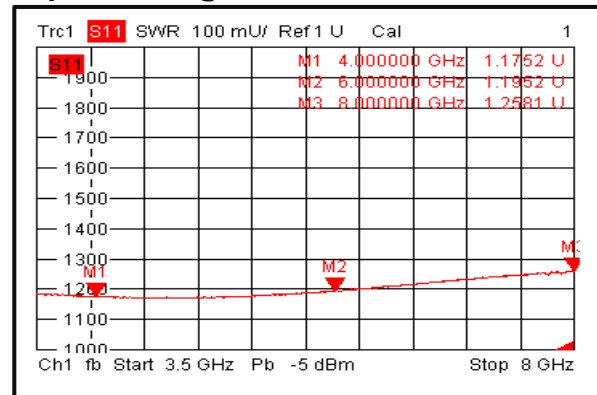
Parameter	Description
Operational Temperature	-40°C~+85°C (Case Temperature)
Storage Temperature	-50°C~+105°C
Thermal Shock	-40°C → +85°C (5 Cycles / 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85°C for 72 Hours
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 (For Hermetically Sealed Units)

Typical Performance Plots

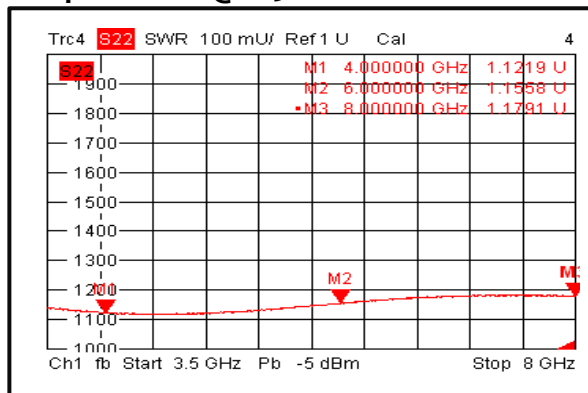
Insertion Loss @+25°C



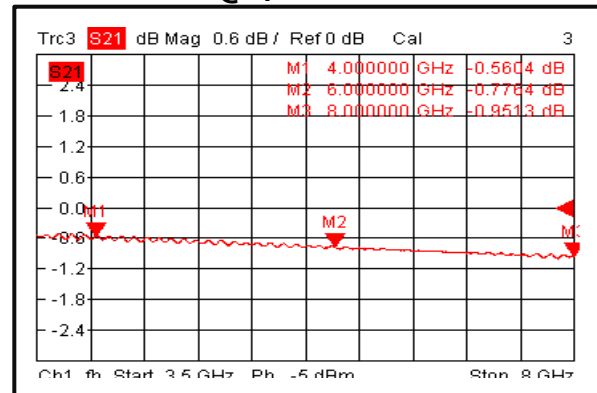
Input VSWR @+25°C



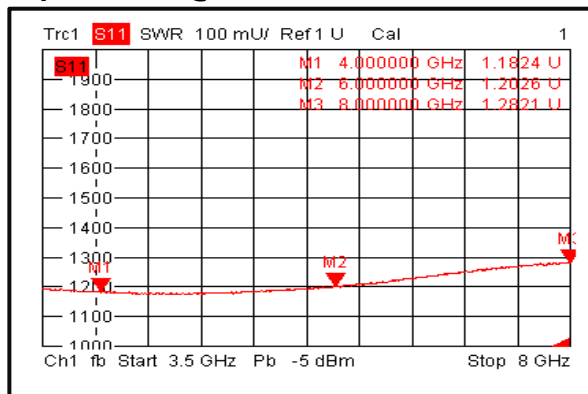
Output VSWR @+25°C



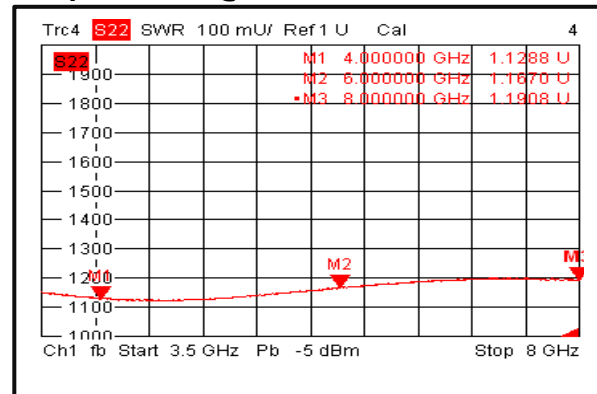
Insertion Loss @-40°C



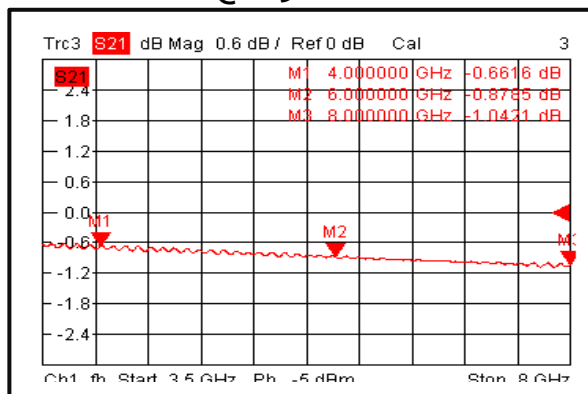
Input VSWR @-40°C



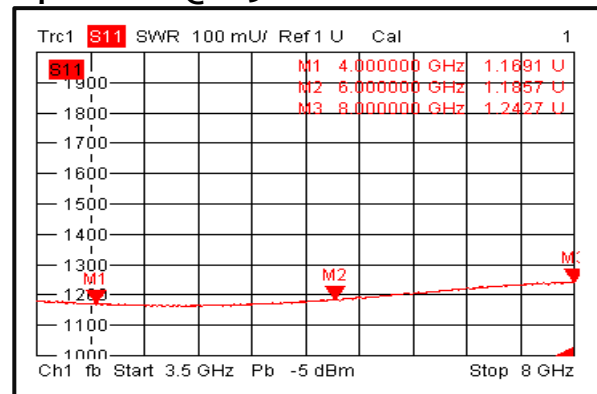
Output VSWR @-40°C



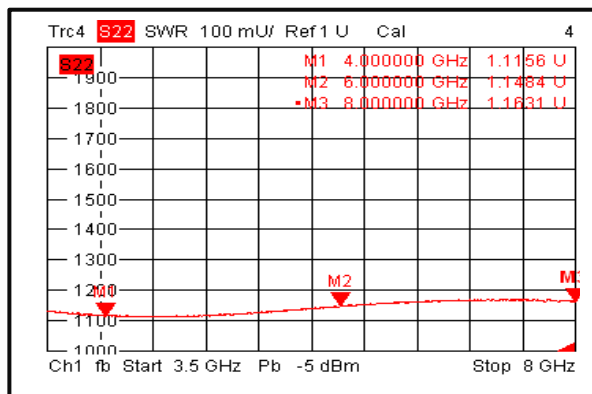
Insertion Loss @+85°C



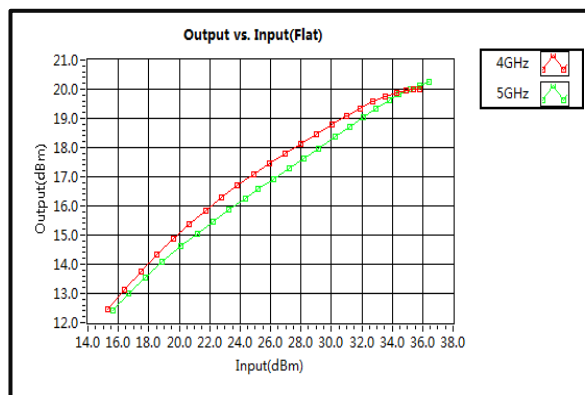
Input VSWR @+85°C



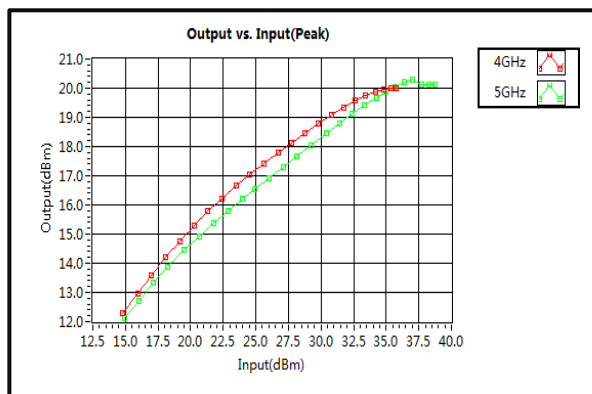
Output VSWR @+85°C



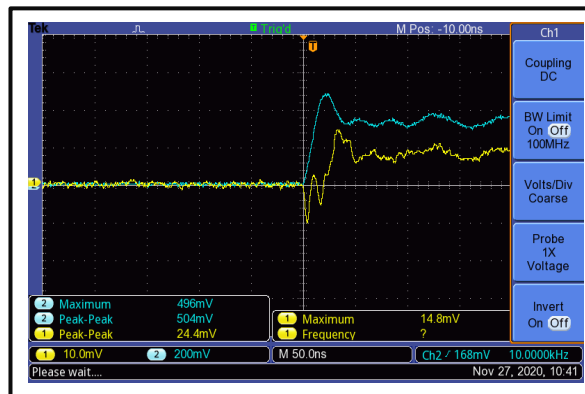
Flat Leakage Power



Peak Power Leakage



Limiting Speed



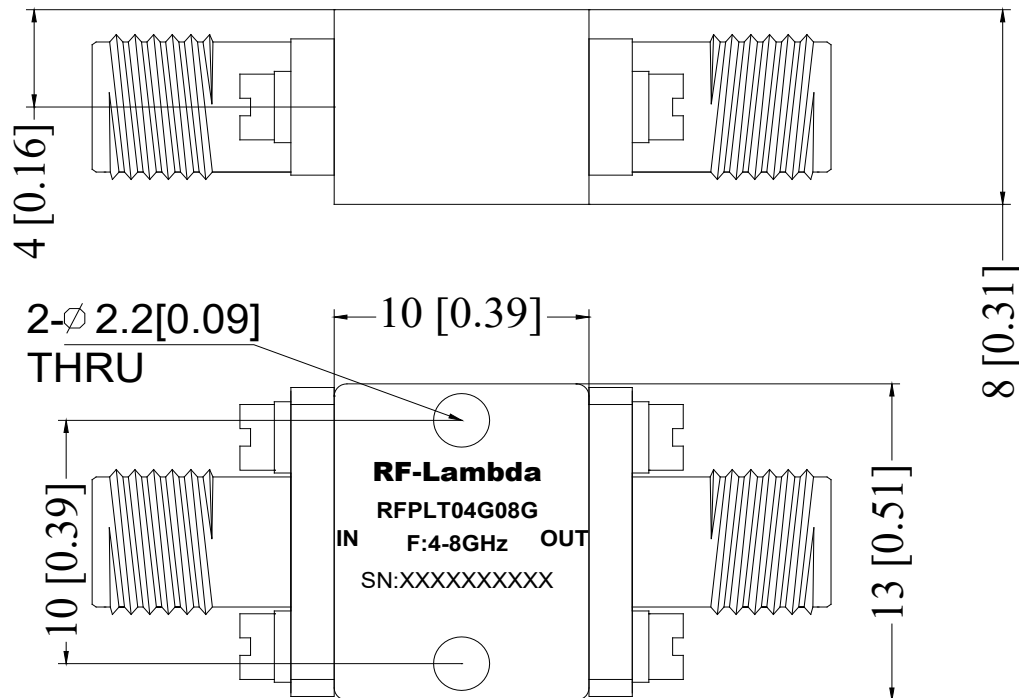
Recovery Time



Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.1 [0.004]



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