

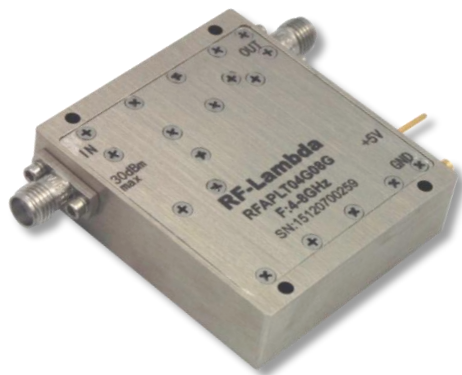


RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFAPLT04G08G

Input Over Drive Front End Protector 4-8GHz



Features

- Wide Band
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handle Capability up to 1 W
- Customization available upon request

Electrical Specifications, $T_A=25\text{ }^{\circ}\text{C}$, $V_{CC}=+5\text{V}$

Parameters	Min.	Typ.	Max.	Units
Frequency Range	4		8	GHz
CW Input Power		1		W
Peak Power(<10% <2us)		1		W
Insertion Loss		1.3	1.5	dB
VSWR		1.3	1.5	: 1
Flat Leakage @ Pin $\leq 30\text{ dBm}$		-17	-15	dBm
Peak Power Leakage at Pin $\leq 33\text{ dBm}$ (<10%, < 2us)		-15	-13	dBm
Supply Current ($V_{CC} = +5\text{V}$)		260	300	mA
Weight	1.76			ounces
Input / Output Connectors	SMA - Female			
Material	Aluminum			
Finishing	Nickel Plating			

Environmental Specifications

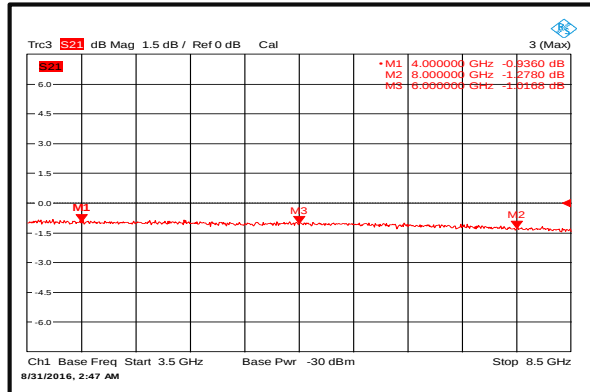
Operational Temperature ($^{\circ}\text{C}$)	-45 to +85
Storage Temperature ($^{\circ}\text{C}$)	-55 to +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msec half sine wave, 3 axis both directions

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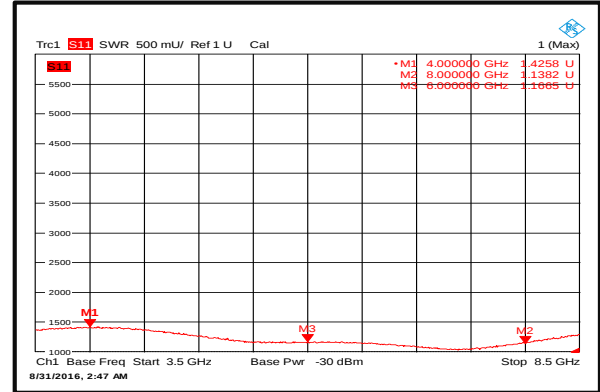


Typical Performance Plots

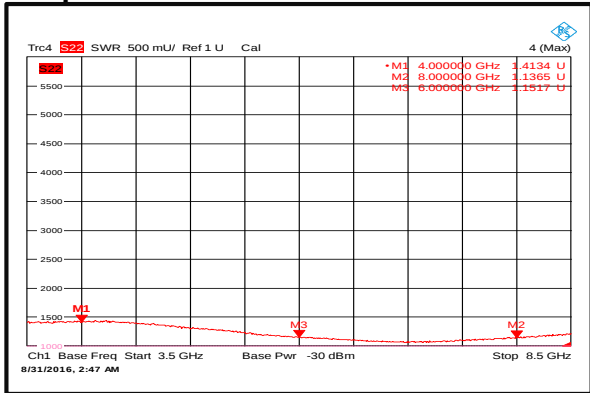
Insertion Loss



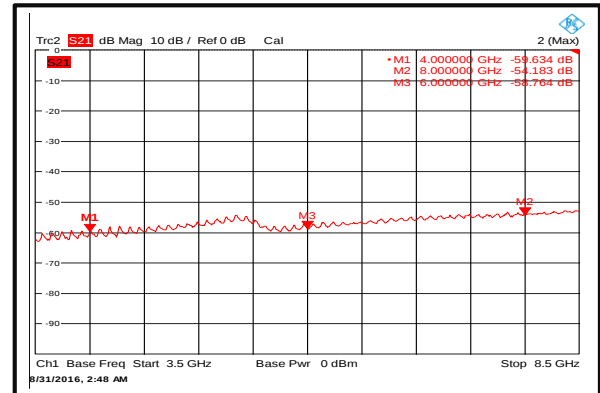
Input VSWR



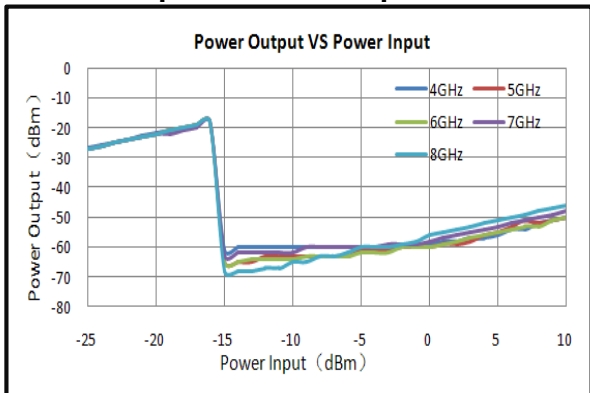
Output VSWR



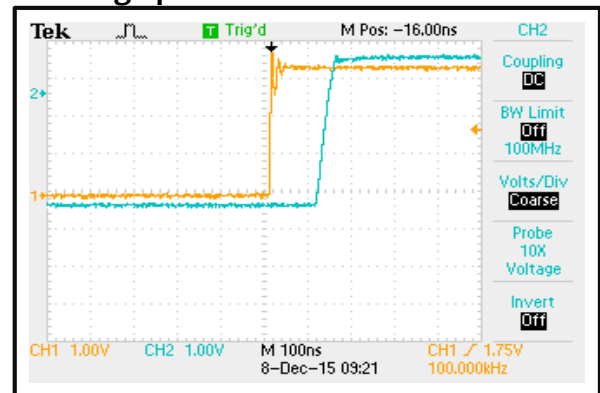
Isolation



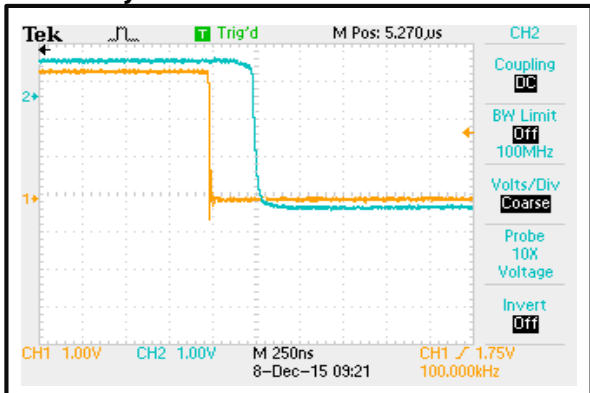
Power Output vs. Power Input



Limiting Speed



Recovery time





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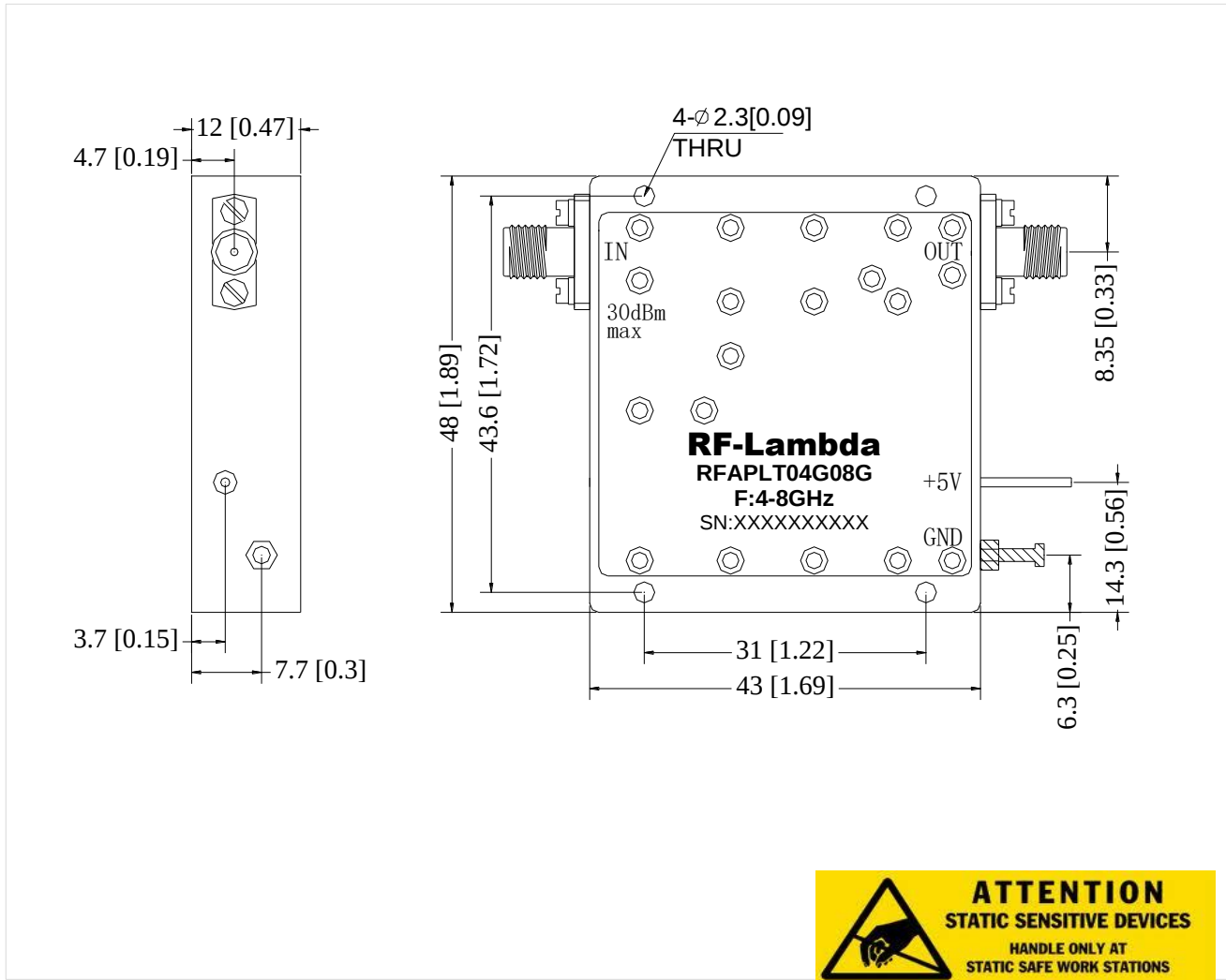
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Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.1 [0.0039]



Important Notice

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