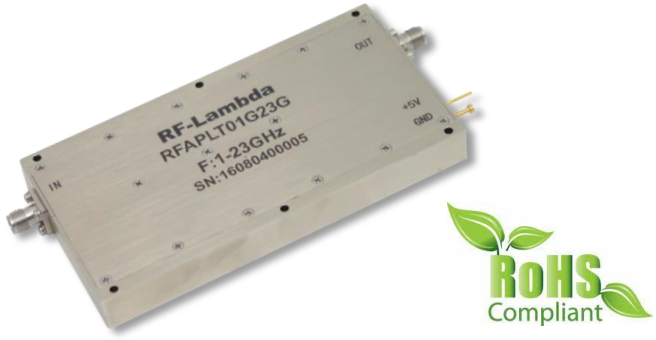
Input Over Drive Front End Protector
1 - 23GHz



RoHS Compliant

Features

- Wide Band operation 1-23GHz
- Active, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handling Capability up to 1W
- Customization available upon request

Electrical Specifications, T_A=25 ℃, Vcc=+5V

Parameters	Min	Typ	Max	Min	Typ	Max	Units
Frequency Range	1 - 10			10 - 23			GHz
CW Input Power			1			1	W
Peak Power (<10% <2us)			2			2	W
Insertion Loss		2.0	2.5		4.0	4.5	dB
VSWR		1.5	1.8		1.5	2	: 1
Flat Leakage @ Pin ≤ 30 dBm		-17	-15		-10	-9	dBm
Peak Power Leakage at Pin≤33 dBm (<10% , < 2us)		-12	-11		-6	-5	dBm
Supply Current (Vcc = +5V)		260	300		260	300	mA
Weight	5.29						ounces
Input / Output Connectors	SMA - Female						
Material	Aluminum						
Finishing	Nickel Plating						

Environmental Specifications

Operational Temperature (°C)	-45 to +85
Storage Temperature (°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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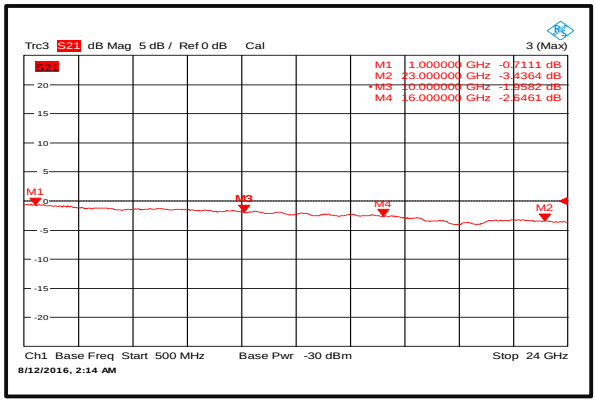
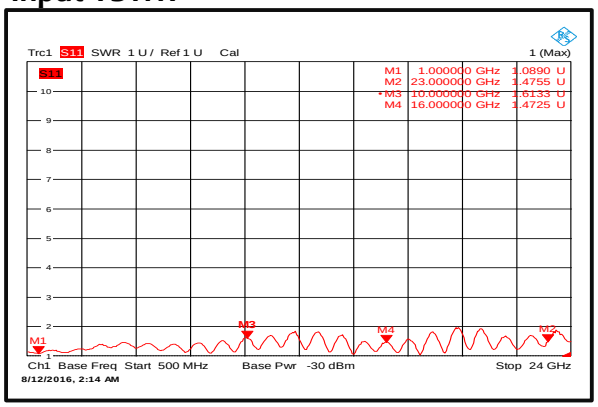
Typical Performance Plots

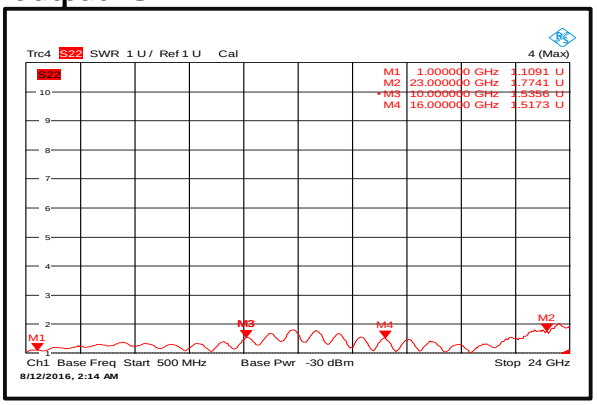
Insertion Loss



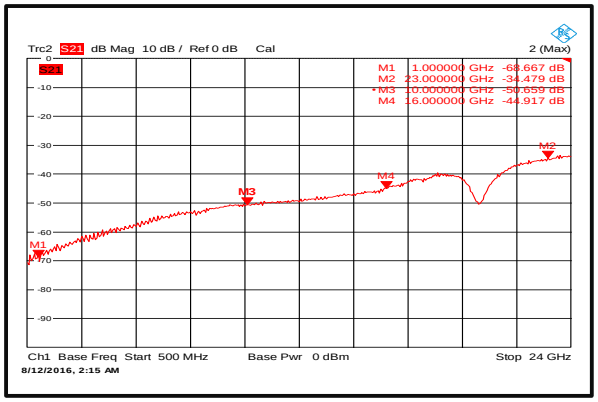
Input VSWR



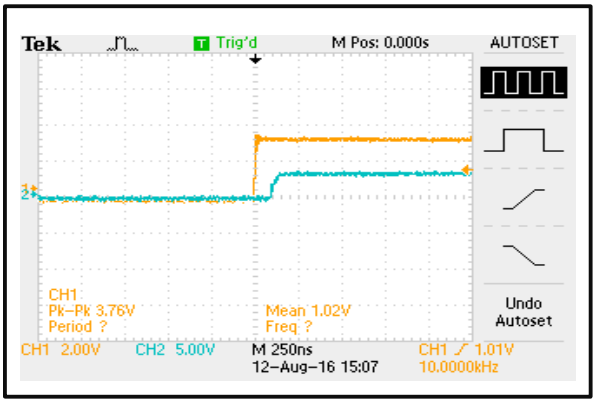
Output VSWR



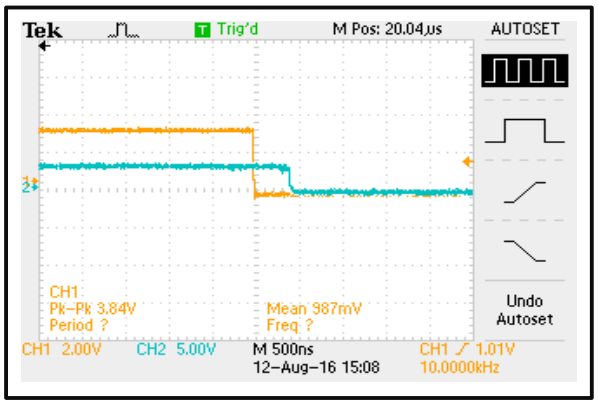
Isolation



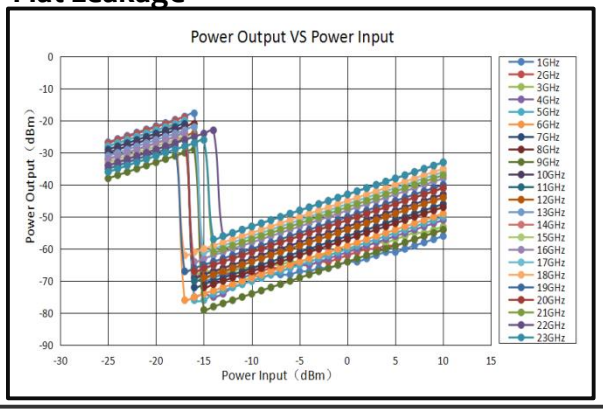
Limiting Speed



Recovery Time



Flat Leakage



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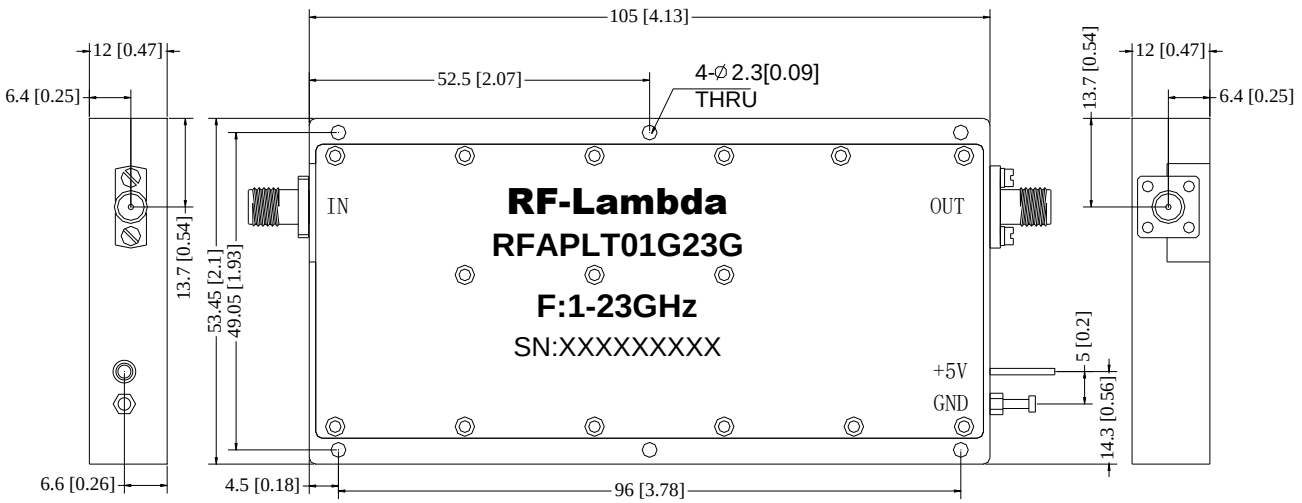
Outline Drawing:

All Dimensions in mm [inches]
Tolerance ±0.2 [0.008]



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