



1-23GHz Input Over Drive Front End Protector

Features

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



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						

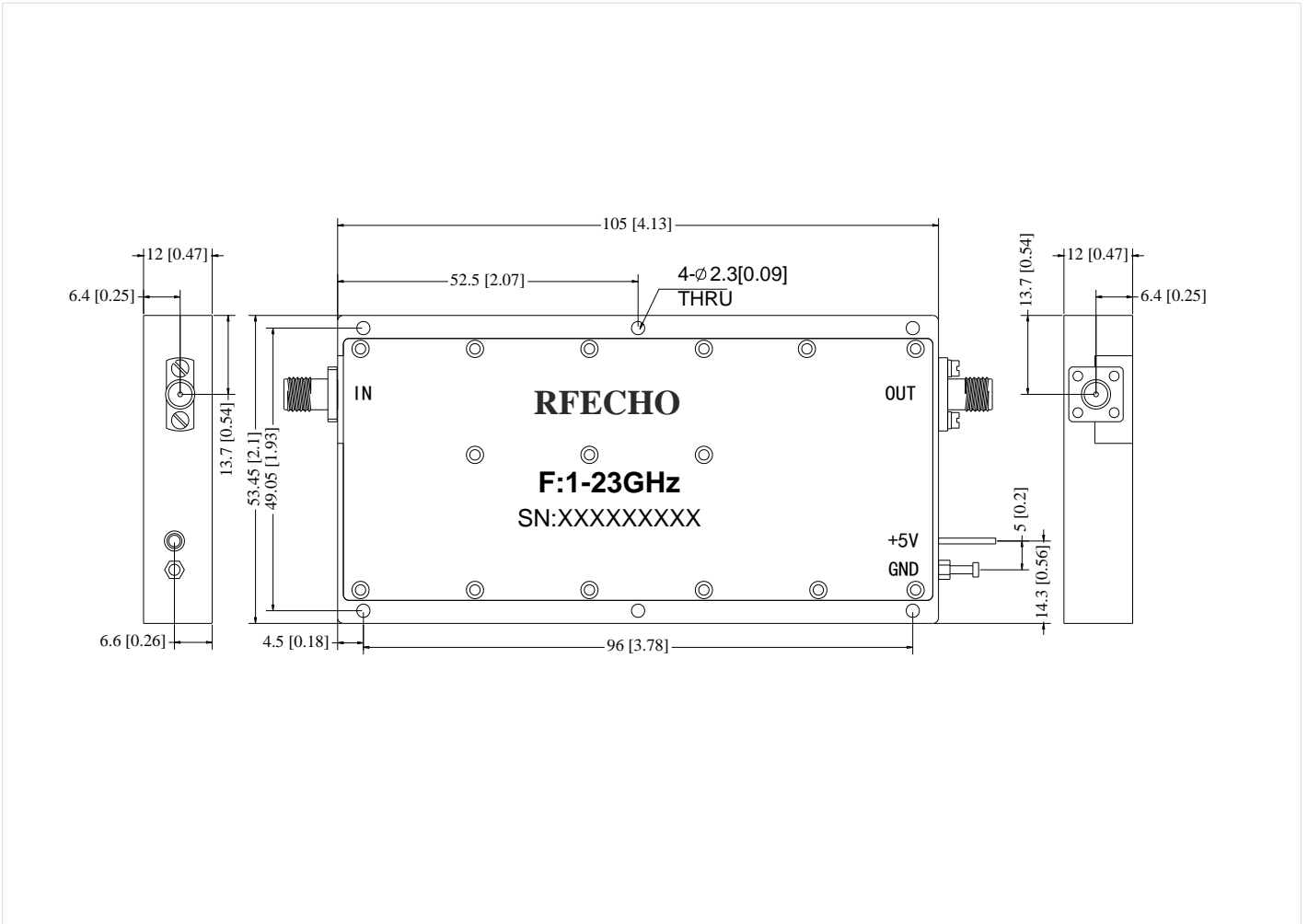
Environmental Specifications

Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	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 35c, 95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions

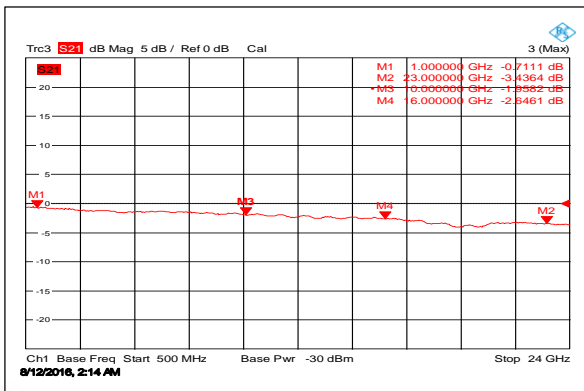


Outline Drawing:

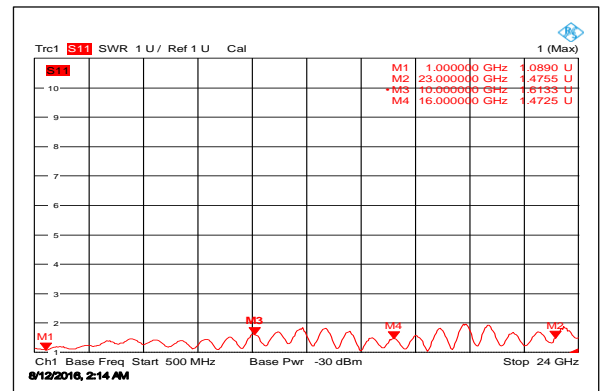
All Dimensions in mm (inches) Tolerance ± 0.2 (0.008)



Insertion Loss

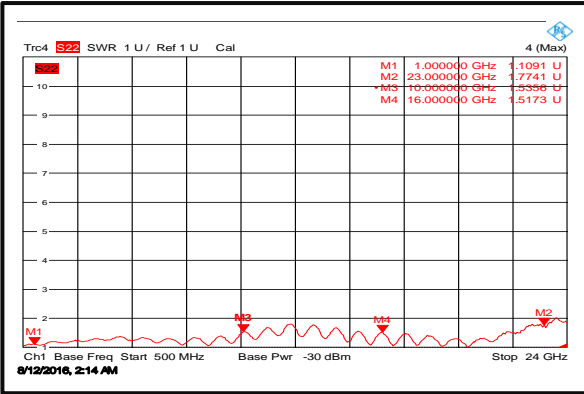


Input VSWR

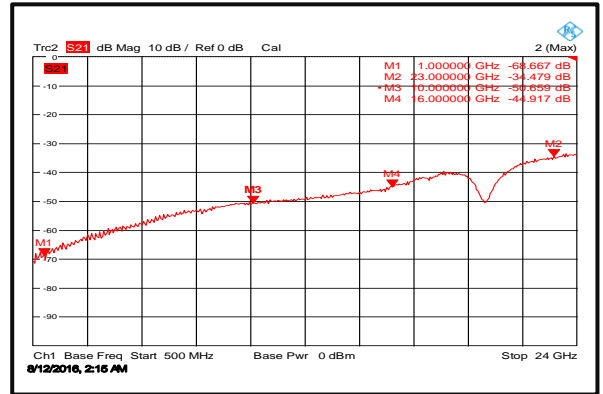




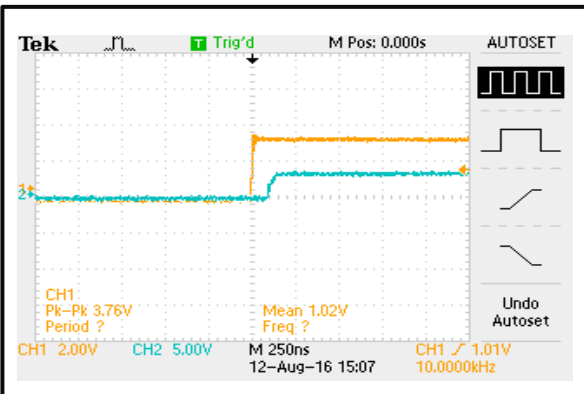
Output VSWR



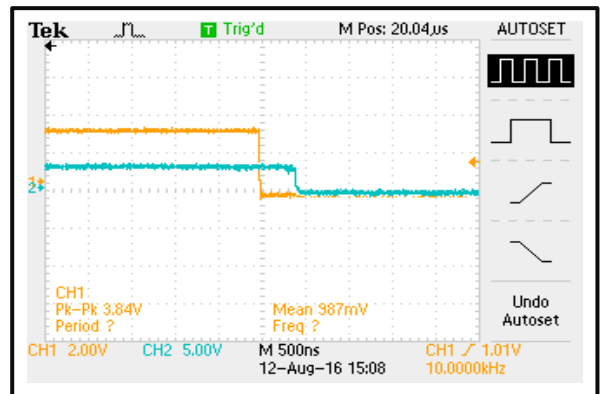
Isolation



Limiting Speed



Recovery time



Flat Leakage

