



6-12GHz Input Over Drive Front End Protector

Features

- Wide Band operation 6-12GHz
- 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.	Units
Frequency Range	6		12	GHz
CW Input Power		1		CW
Peak Power(<10% <2us)		1		W
Insertion Loss		1.6	2	dB
VSWR		1.4	1.5	: 1
Flat Leakage @ PIN ≤30 dBm		-17	-15	dBm
Peak Power Leakage at PIN ≤33 dBm (<10% <2us)		-14	-12	dBm
Weight	1.76			ounces
Input / Output Connector	SMA-Female			
Material	Aluminum			
Finishing	Nickel Plating			

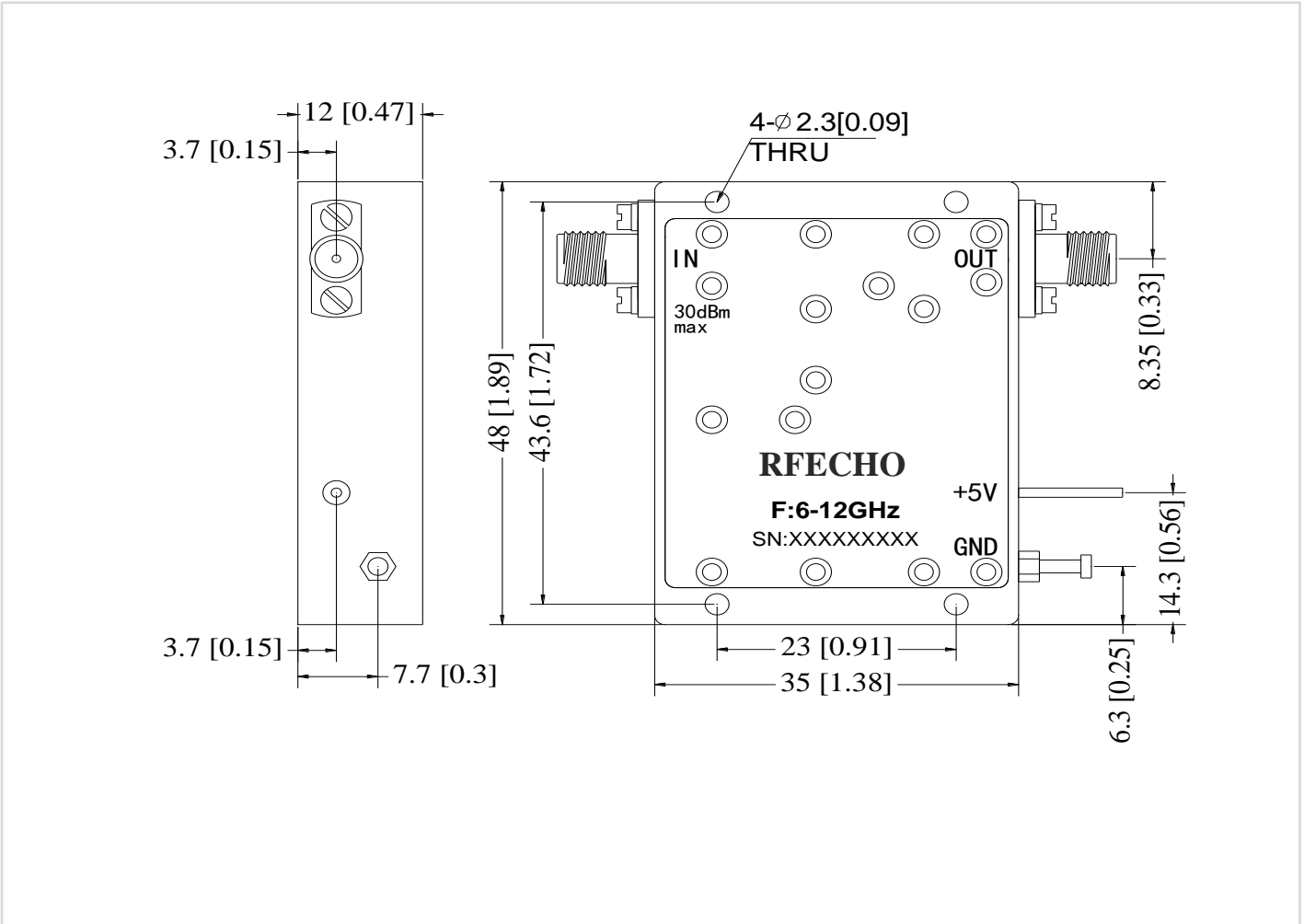
Environmental Specifications

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

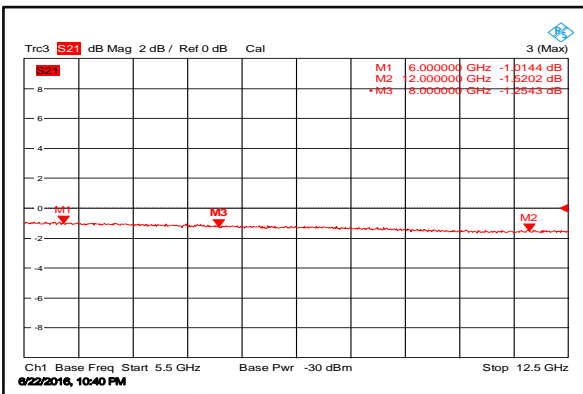


Outline Drawing:

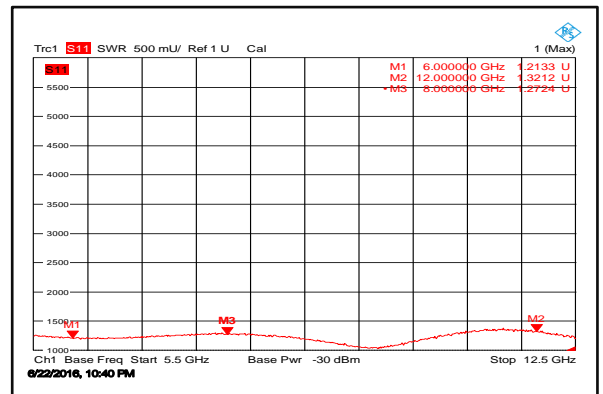
All Dimensions in mm (inches) Tolerance ± 0.1 (0.0039)



Insertion Loss

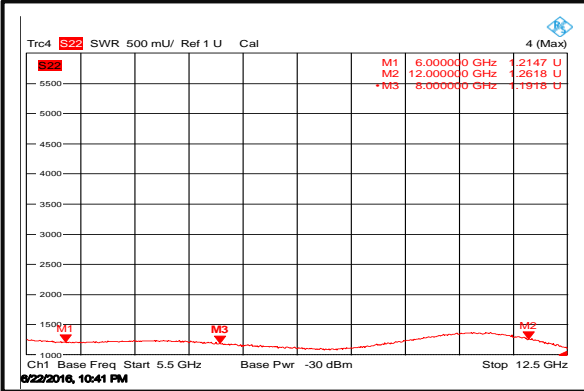


Input VSWR

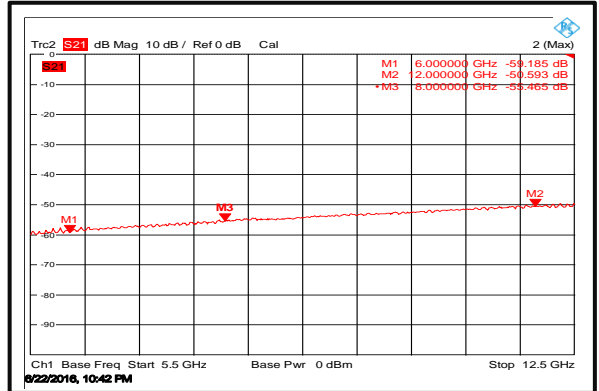




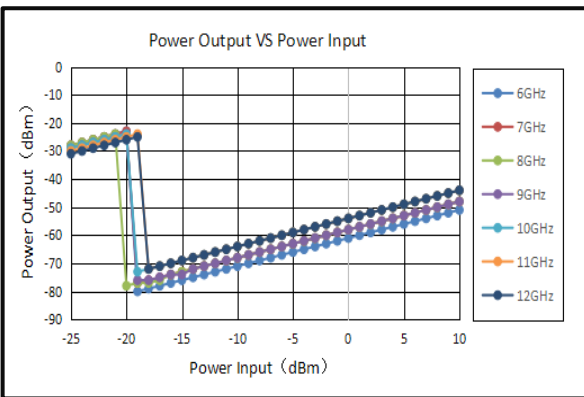
Output VSWR



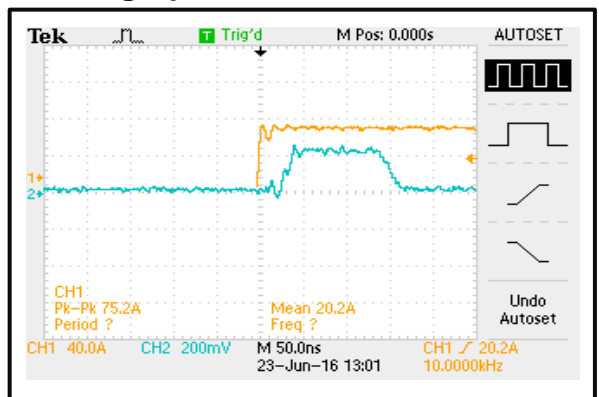
Isolation



Power Output VS Power Input



Limiting Speed



Recovery time

