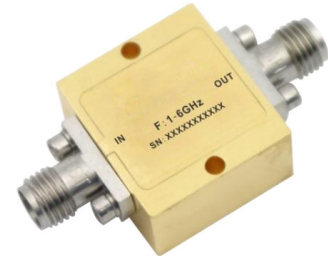


# 1-6GHz Power Limiter



## Features

- Wide Band Operation 1-6GHz
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handle Capability up to 100W
- Customization available upon request

Parameters	Min.	Typ.	Max.	Units
Frequency Range	1		6	GHz
CW Input Power @ 50Ω , 25C			50	W
Incident Power ( Pulsed, PW=10us, DC=10%,50Ω, 25C )			100	W
Insertion Loss		0.8	1.0	dB
VSWR		1.8	2.0	: 1
Flat Leakage Power @PIN > 30 dBm		≤ 16		dBm
Peak Power Leakage		≤ 18		dBm
Weight	0.5Max.			ounces
Input / Output Connectors	SMA-Female			
Material	Aluminum			
Finish	Gold Plated			

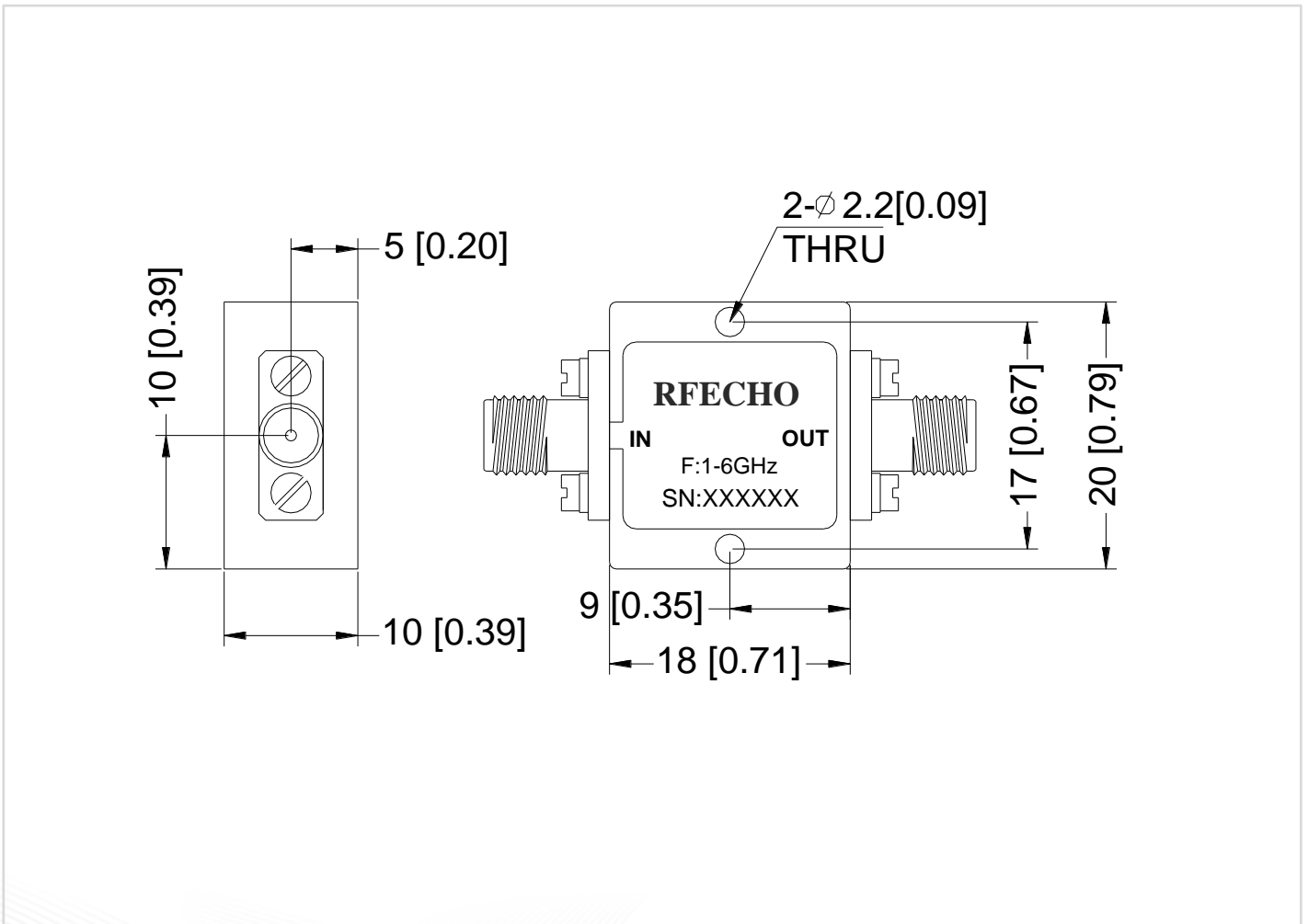


## Environmental Specifications

Operational Temperature (°C)	-40°C~+85°C
Storage Temperature (°C)	-50°C~+105°C
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 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions

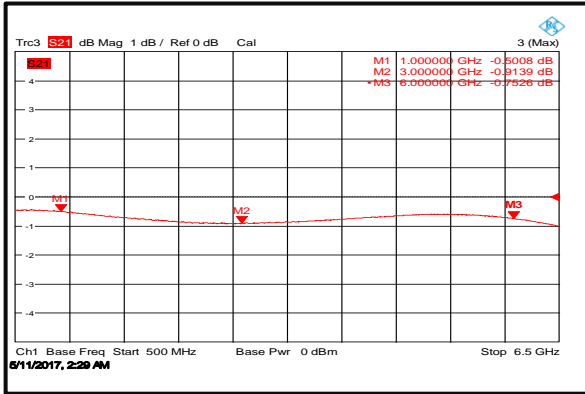
## Outline Drawing:

All Dimensions in mm ( inches ) Tolerance  $\pm 0.1$  ( 0.004 )

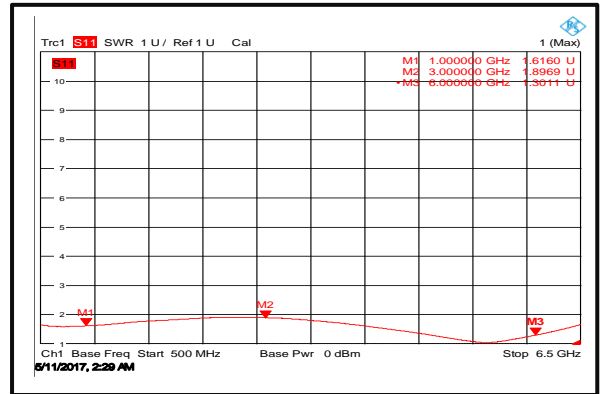




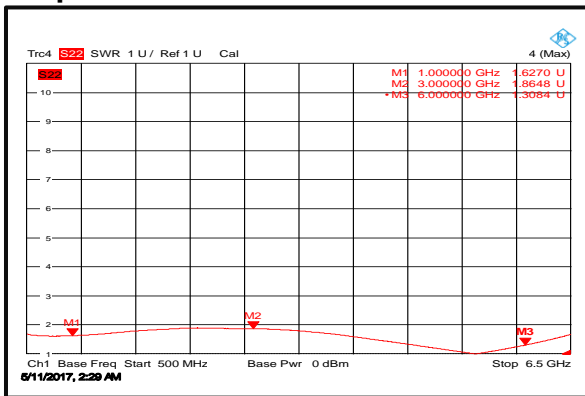
### Insertion Loss @+25°C



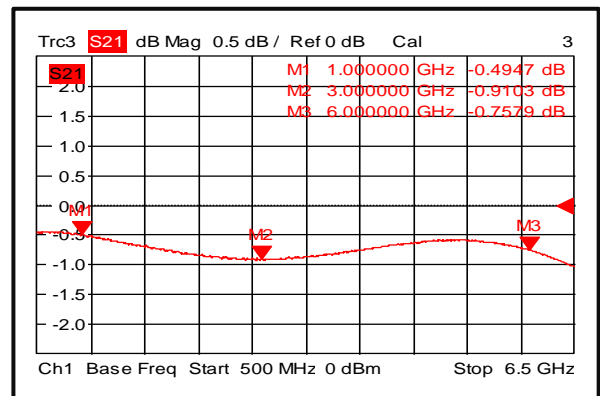
### Input VSWR @+25°C



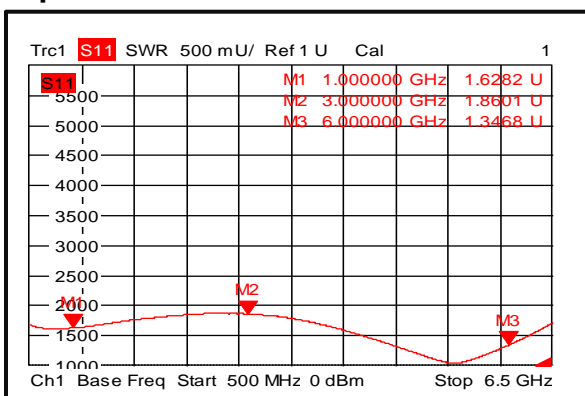
### Output VSWR @+25°C



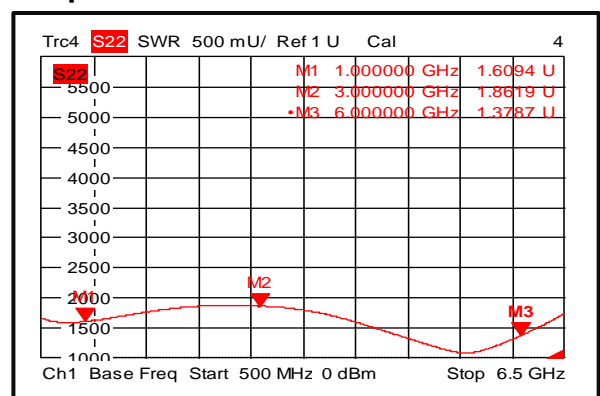
### Insertion Loss @-40°C



### Input VSWR @-40°C

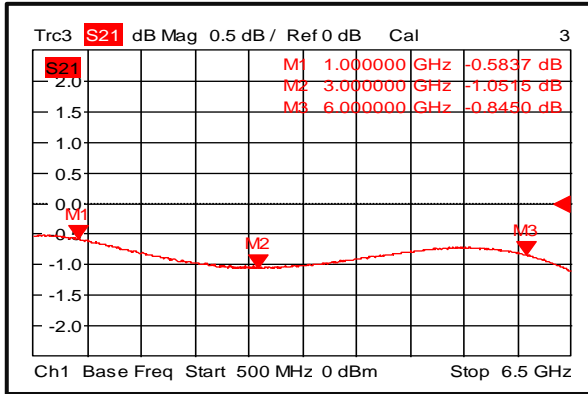


### Output VSWR @-40°C

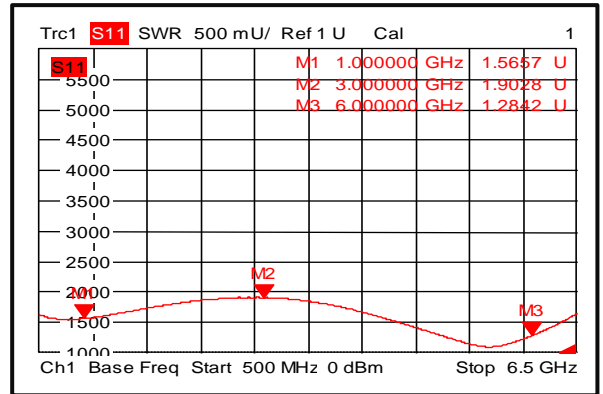




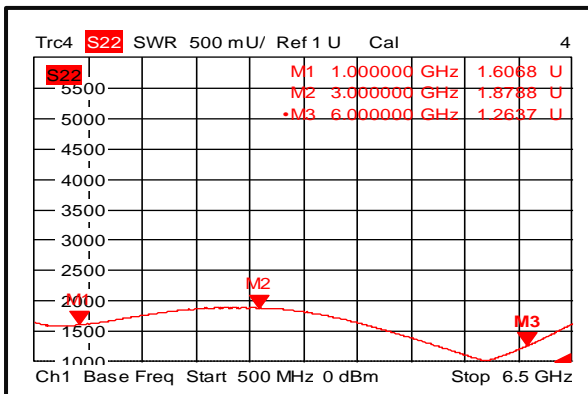
### Insertion Loss @+85°C



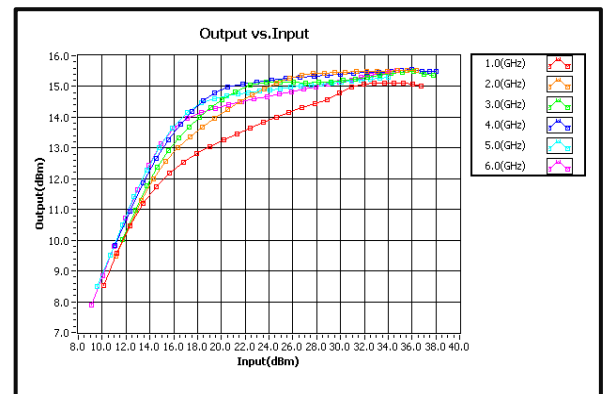
### Input VSWR @+85°C



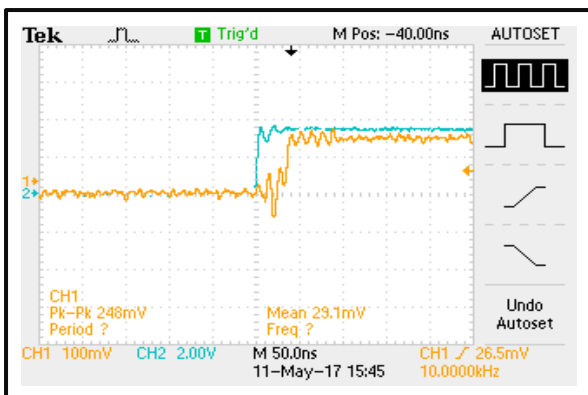
### Output VSWR @ +85°C



### Flat Leakage Power



### Limiting Speed



### Recovery time

