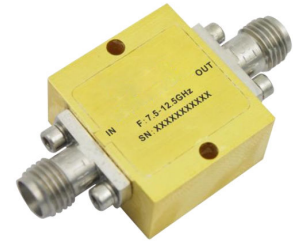




# 7.5-12.5GHz Power Limiter

## Features

- Wide Band Operation 7.5-12.5GHz
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handle Capability up to 50W
- Customization available upon request



Parameters	Min.	Typ.	Max.	Units
Frequency Range	7.5		12.5	GHz
CW Input Power (50 Ω, 25 °C )			40	dBm
CW Input Power (50 Ω, 85 °C )			36	dBm
Peak Power (pulsed , PW = 100us, Duty Cycle = 10%, 50 Ω, 25 °C )			47	dBm
Peak Power (pulsed , PW = 100us, Duty Cycle = 10%, 50 Ω, 85 °C )			46	dBm
Insertion Loss		0.75	1.0	dB
VSWR		1.3	1.5	: 1
Flat Leakage Power at PIN >30 dBm		18		dBm
Peak Power Leakage		20		dBm
Weight	1.06			ounces
Input / Output Connectors	SMA-Female			
Material	Aluminum			
Finishing	Gold Plating			

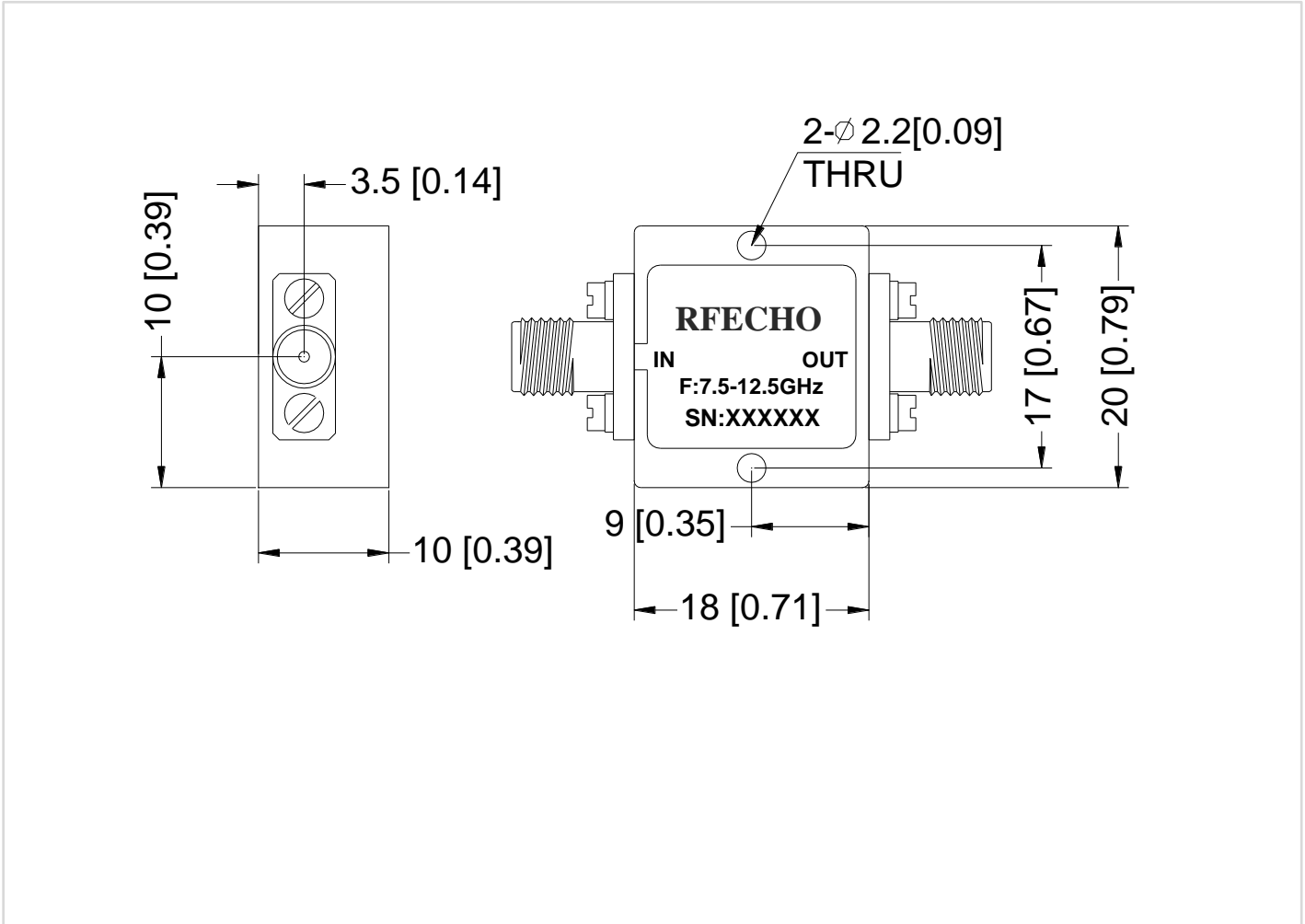
## Environmental Specifications

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 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions

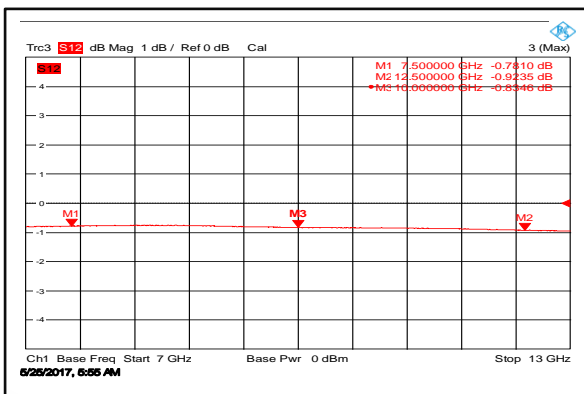


### Outline Drawing:

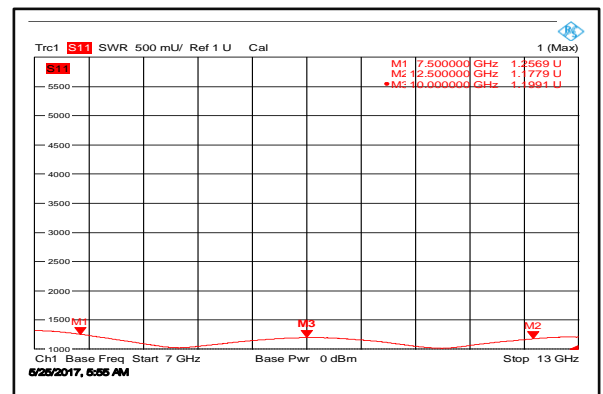
All Dimensions in mm ( inches ) Tolerance  $\pm 0.15$  ( 0.006 )



### Insertion Loss @+25°C

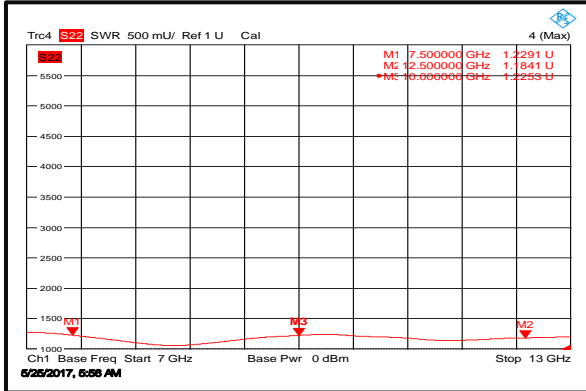


### Input VSWR @+25°C

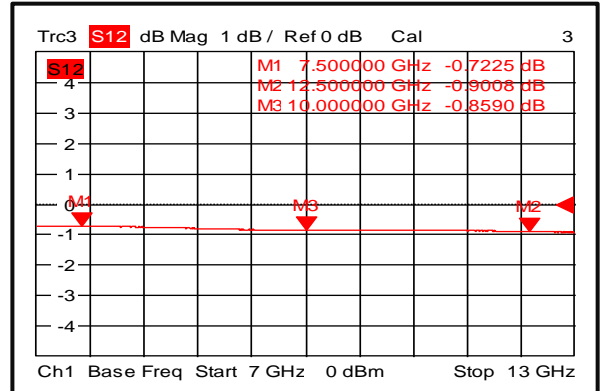




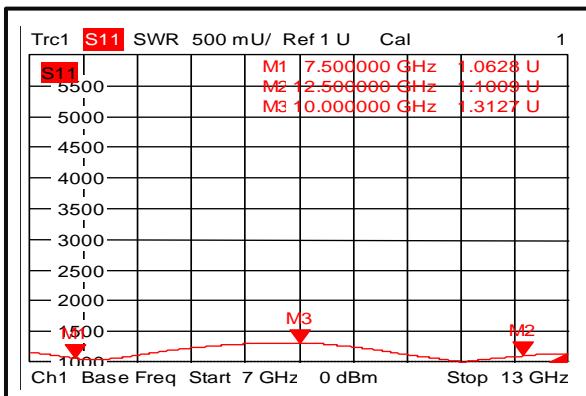
### Output VSWR @+25°C



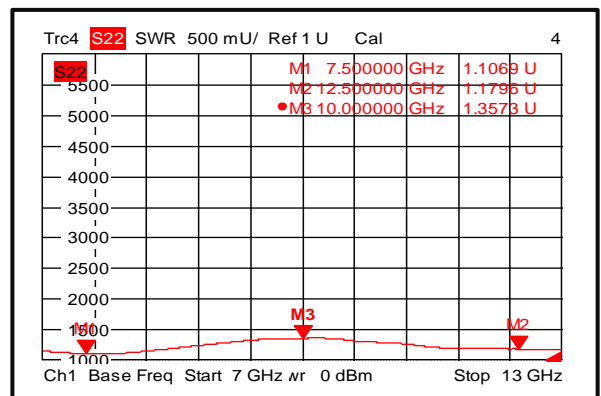
### Insertion Loss @-45°C



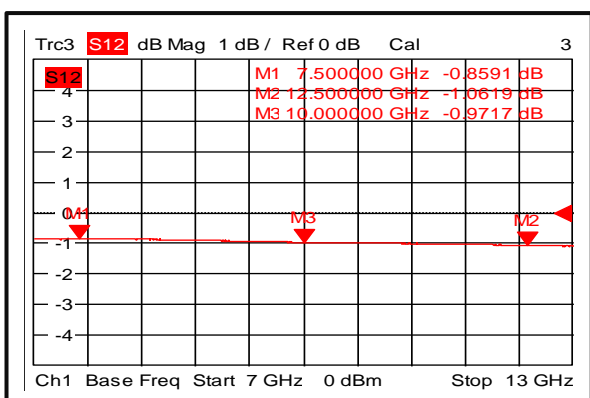
### Input VSWR @-45°C



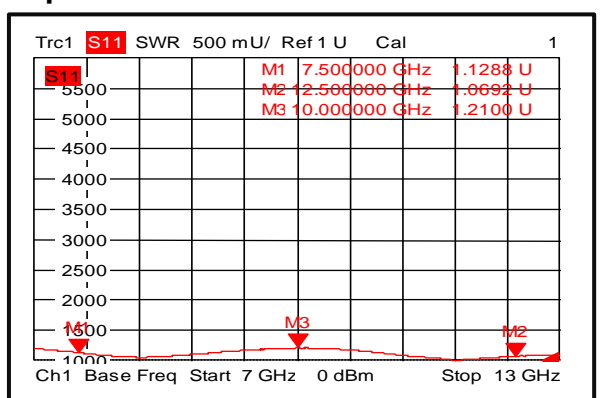
### Output VSWR @-45°C



### Insertion Loss @+85°C

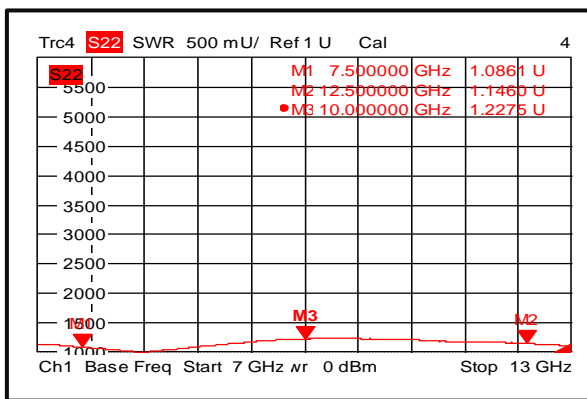


### Input VSWR @+85°C

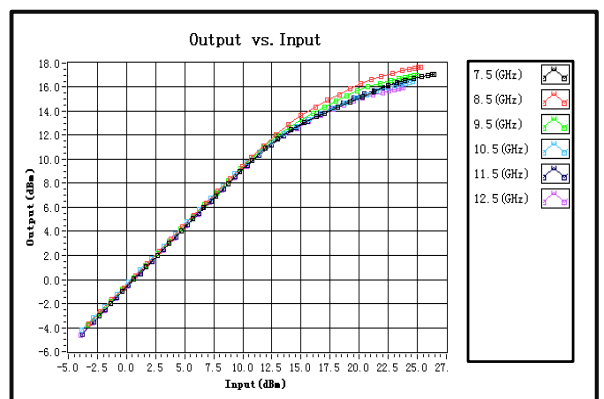




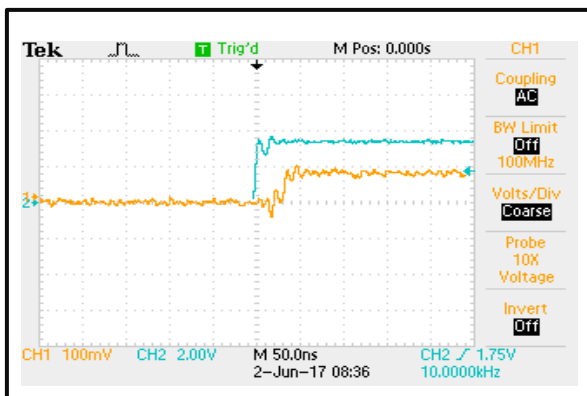
### Output VSWR @ +85°C



### Flat Leakage Power



### Limiting Speed



### Recovery time

