



0.05-21GHz Power Limiter

Features

- Ultra Wide Band Operation 0.05-21GHz
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handle Capability up to 10W
- Customization available upon request



Parameters	Min.	Typ.	Max.	Units
Frequency Range	0.05		21	GHz
CW Input Power			36	dBm
Peak Power Handling (pulsed : PW = 100 us, Duty Cycle = 10%)			40	dBm
Insertion Loss		1.2	1.3	dB
VSWR		1.6	1.8	: 1
Flat Leakage Power at PIN > 30 dBm		18	20.5	dBm
Peak Power Leakage		20	22	dBm
Weight	0.5 Max.			ounces
Input / Output Connectors	SMA-Female			
Material	Aluminum			
Finish	Gold Plated			

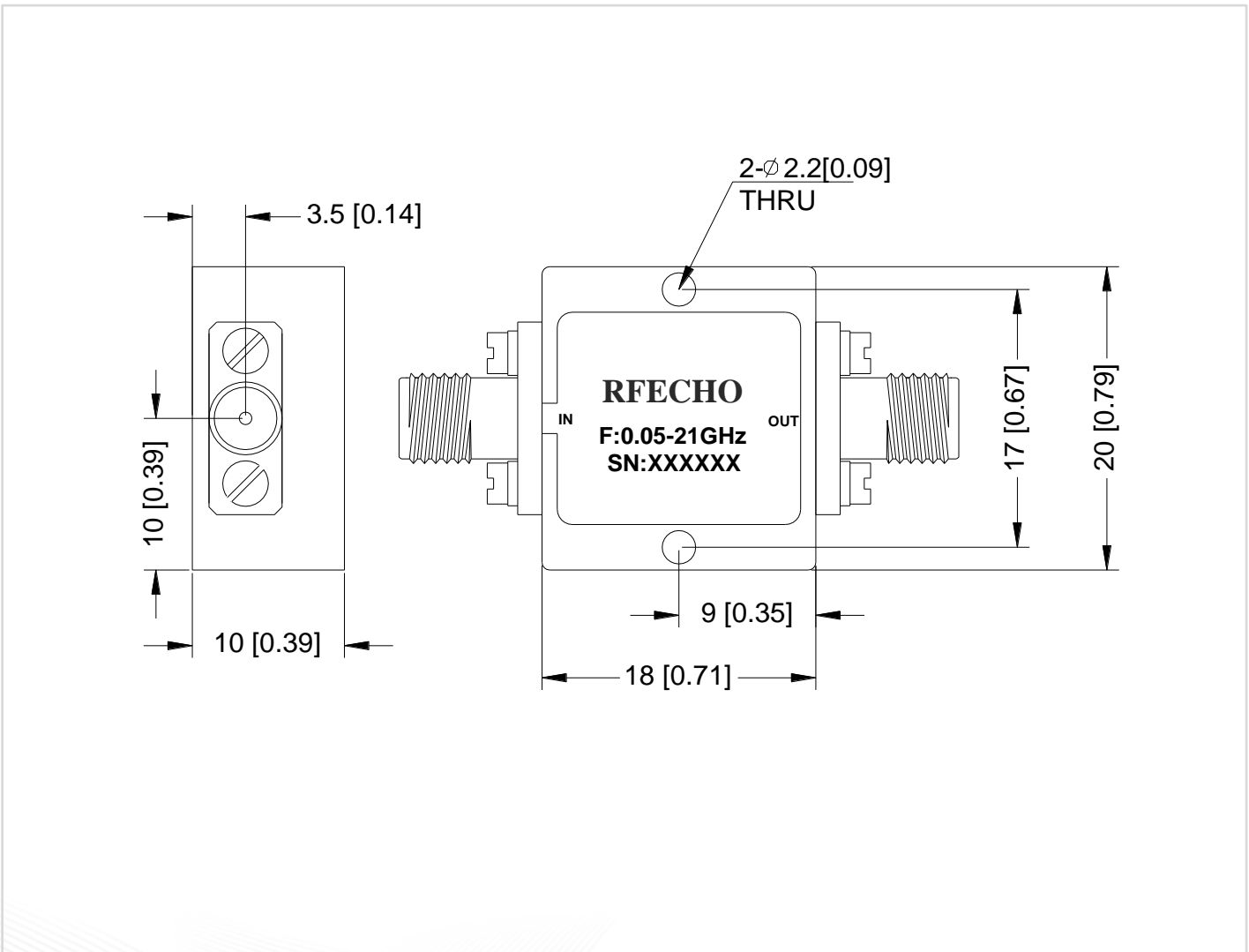


Environmental Specifications

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

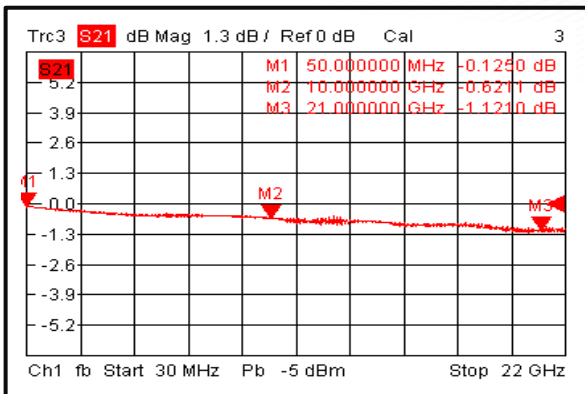
Outline Drawing:

All Dimensions in mm (inches) Tolerance ± 0.15 (0.006)

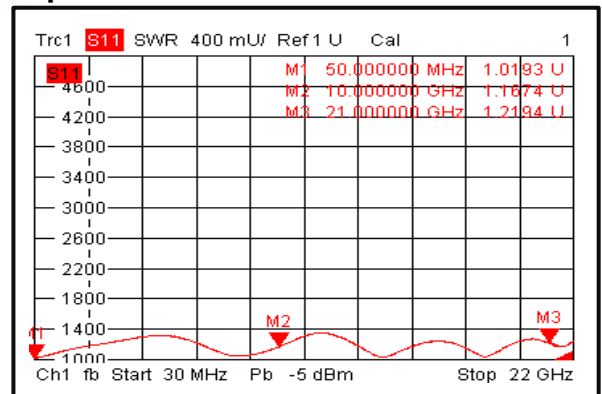




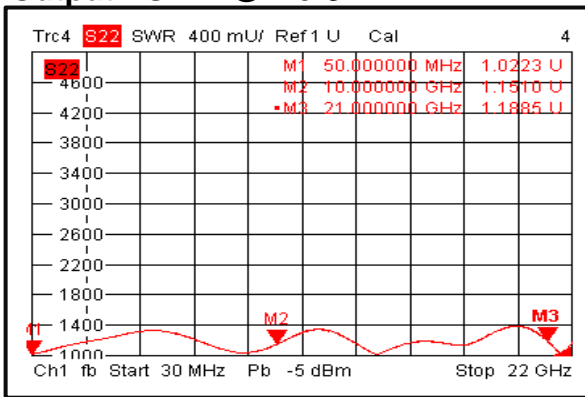
Insertion Loss @+25°C



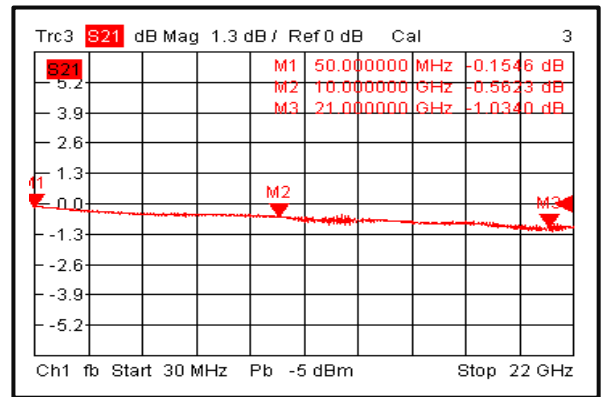
Input VSWR @+25°C



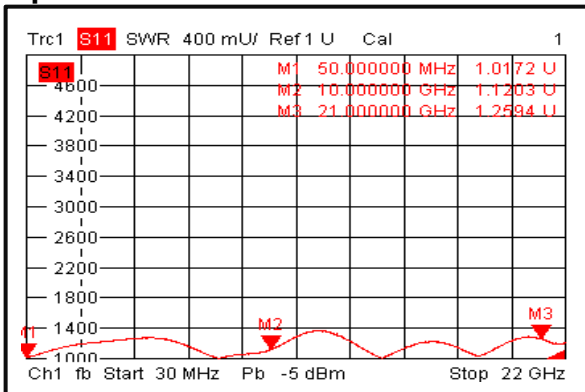
Output VSWR @+25°C



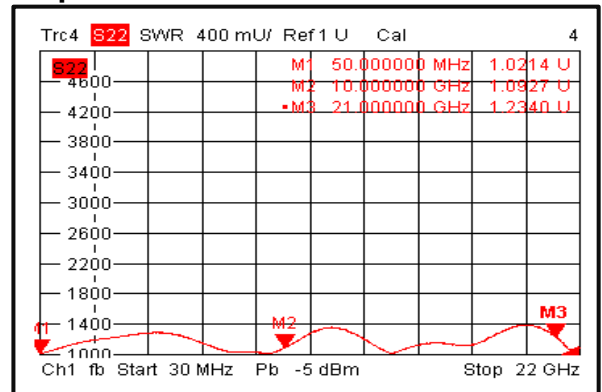
Insertion Loss @-40°C



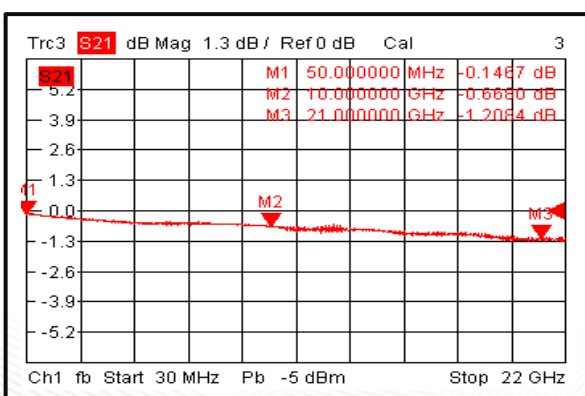
Input VSWR @-40°C



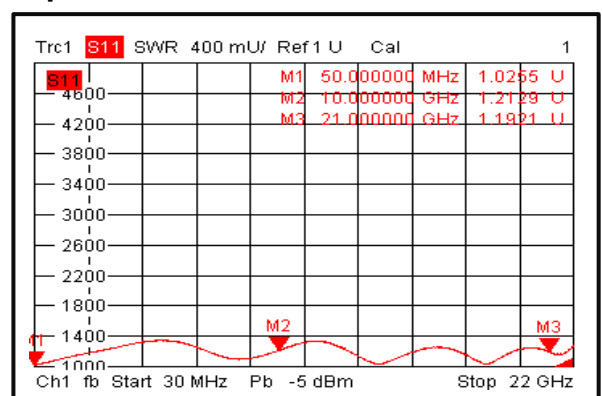
Output VSWR @-40°C



Insertion Loss @+85°C

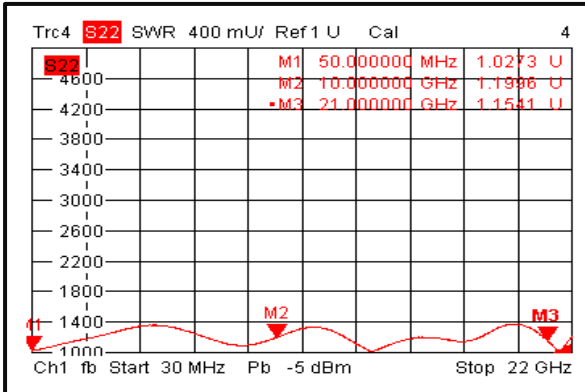


Input VSWR @+85°C

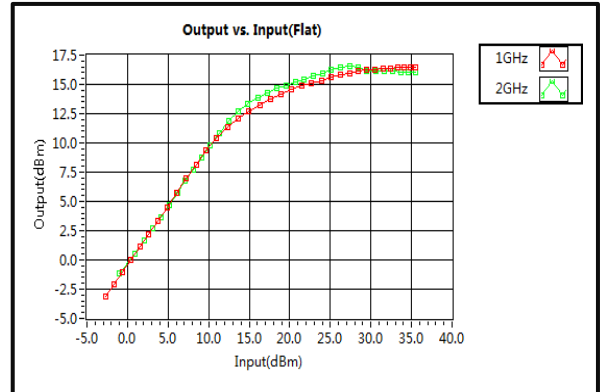




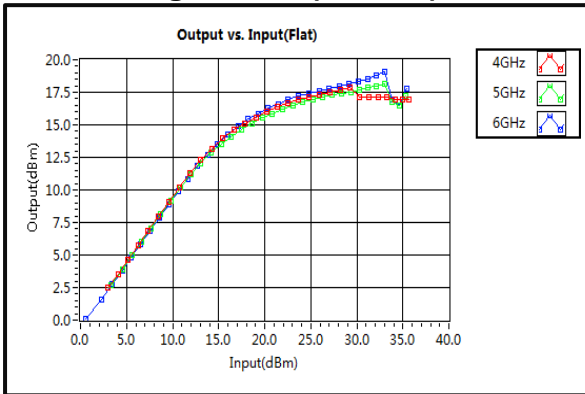
Output VSWR @+85°C



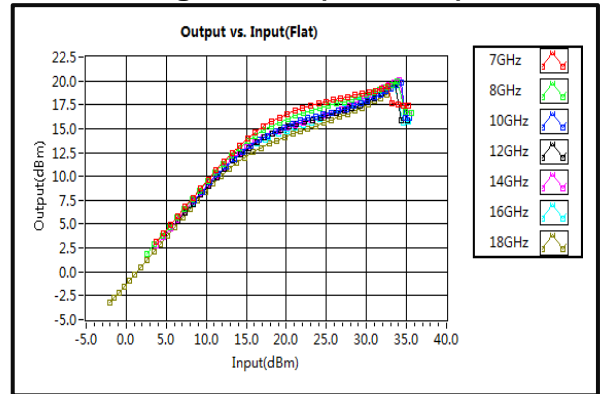
Flat Leakage Power(1-2GHz)



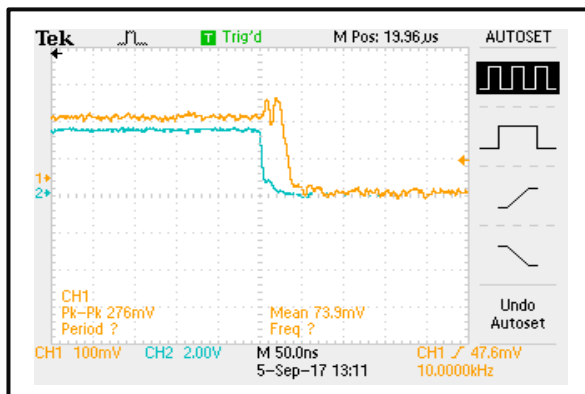
Flat Leakage Power(4-6GHz)



Flat Leakage Power(7-18GHz)



Recovery Time



Limiting Speed

