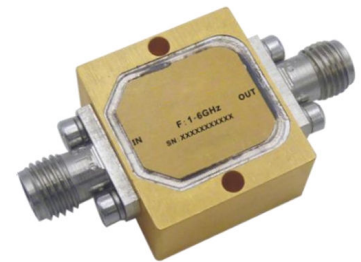




Hermetically Sealed 100W Wide Band Power Limiter 1 - 6GHz

Features

- Wide Band Operation 1-6GHz
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handling up to 100W



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	0.5 Max.			ounces
Input / Output Connectors	SMA-Female			
Material	Aluminum			
Finish	Gold Plated			
Sealing	Hermetically Sealed (Laser Welded)			

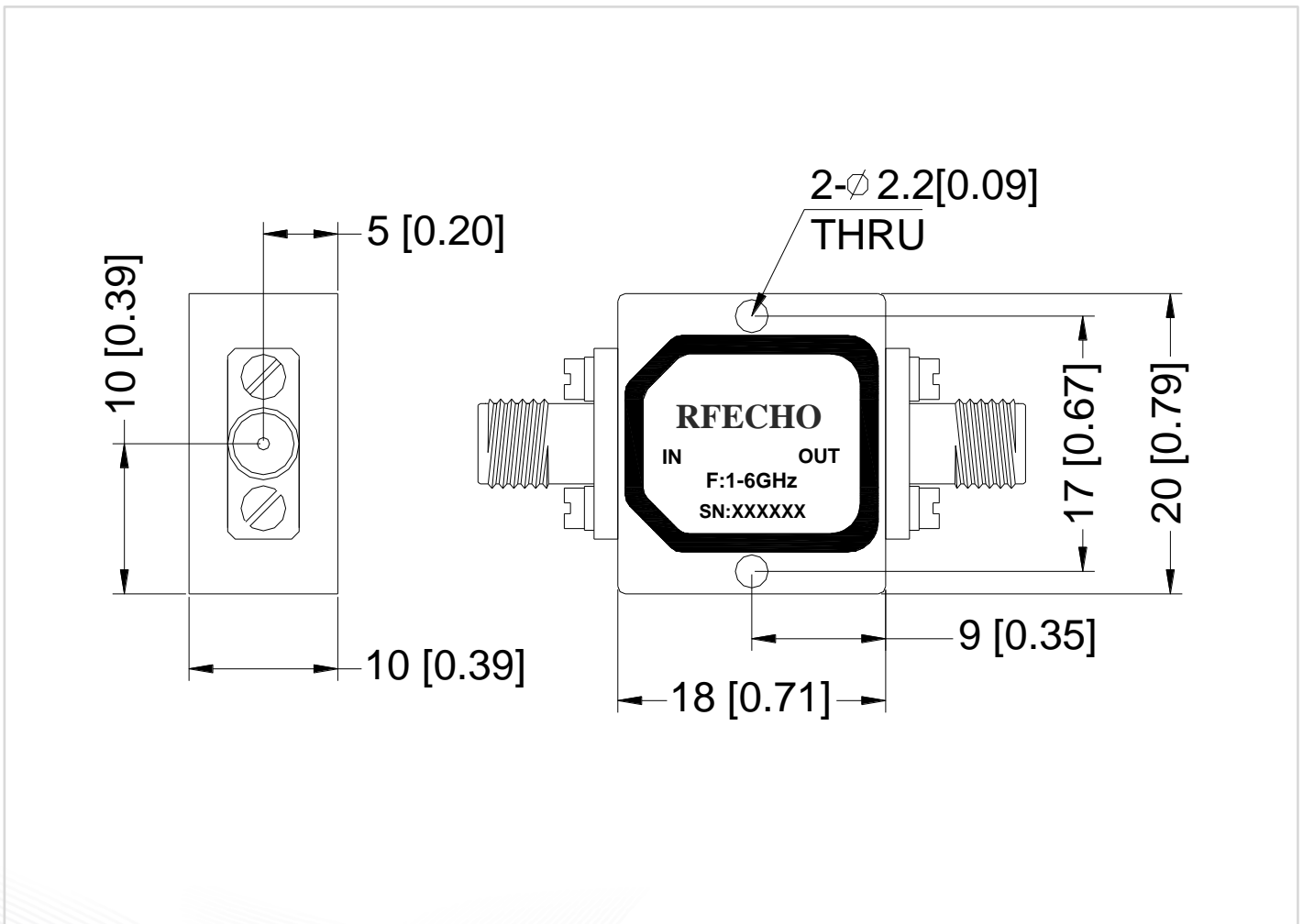


Environmental Specifications

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

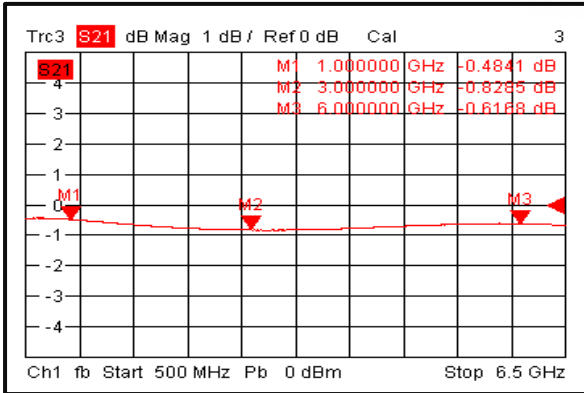
Outline Drawing:

All Dimensions in mm (inches) Tolerance ± 0.1 (0.004)

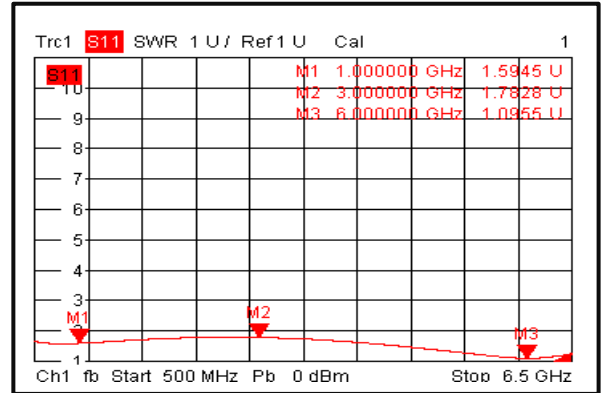




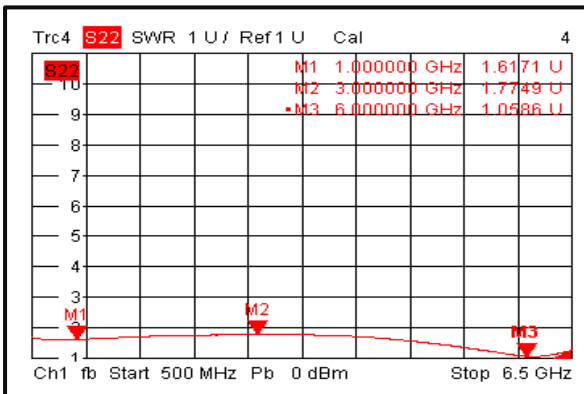
Insertion Loss @+25°C



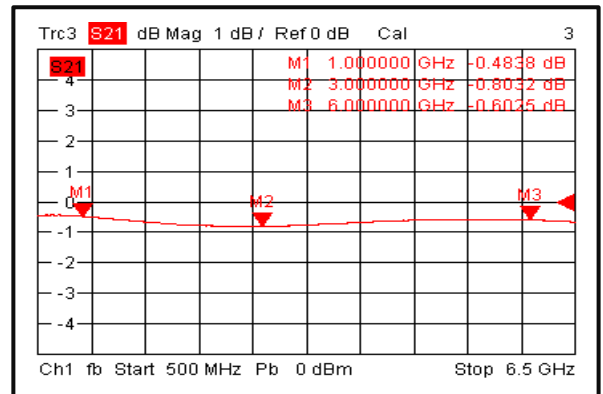
Input VSWR @+25°C



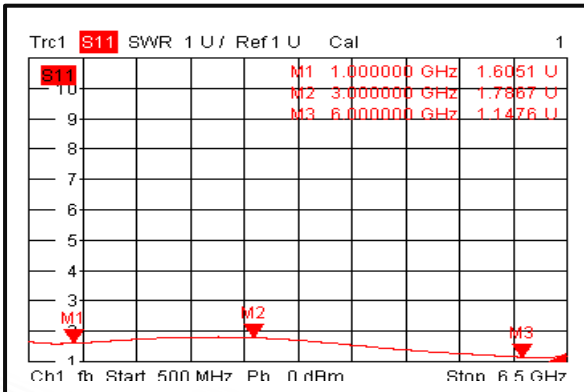
Output VSWR @+25°C



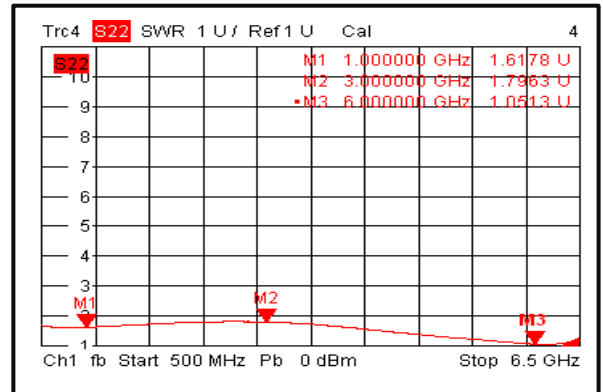
Insertion Loss @-40°C



Input VSWR @-40°C

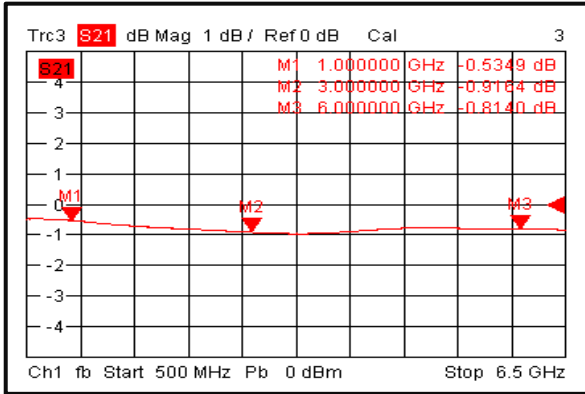


Output VSWR @-40°C

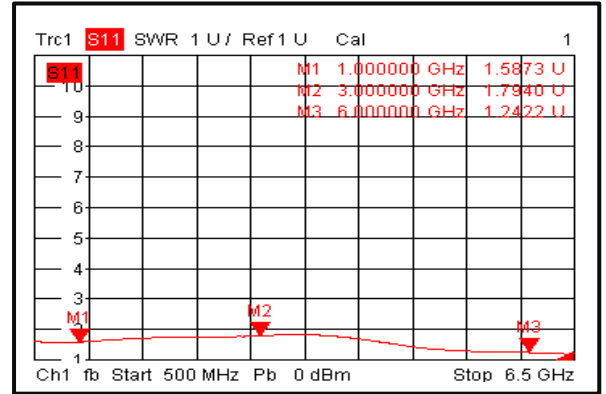




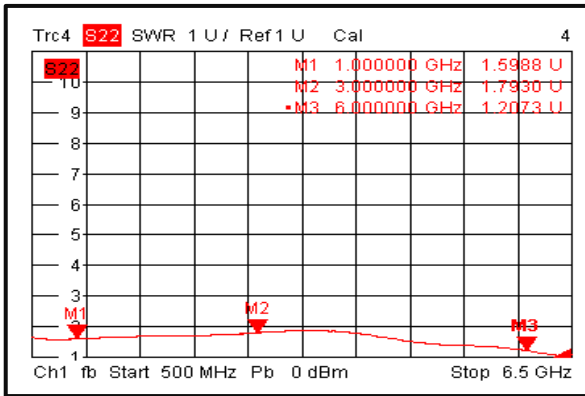
Insertion Loss @+85°C



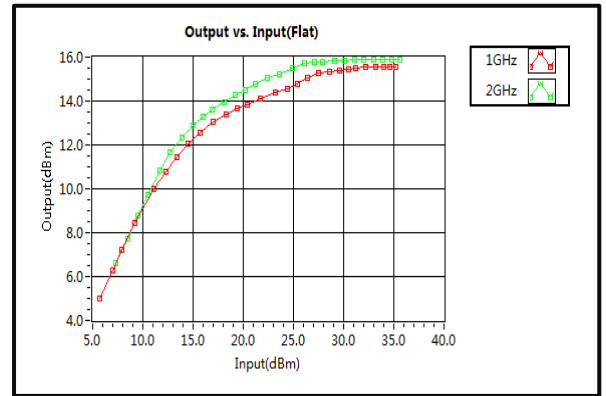
Input VSWR @+85°C



Output VSWR @+85°C



Flat Leakage Power



Limiting Speed



Recovery Time

