



Wide Band Power Limiter 29 - 39GHz

Features

- Wide Band Operation 29-39GHz
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handle Capability up to 6W
- Customization available upon request



Parameters	Min.	Typ.	Max.	Units
Frequency Range	29		39	GHz
CW Input Power(@50Ω, 25°C)			2	W
Peak Power (1% DC ,PW=1us @50Ω, 25°C)			10	W
Insertion Loss		2.0	2.5	dB
Insertion Loss Temperature Coefficient		0.004		dB/°C
VSWR		1.8	2	: 1
Flat Leakage @ PIN < 30 dBm		20	20.5	dBm
Peak Power Leakage @ PIN < 30 dBm (10% DC ,PW=1us)		20	21	dBm
Weight	1.3 Max.			ounces
Input / Output Connector	2.92mm-Female			
Material	Aluminum			
Finish	Gold Plated			

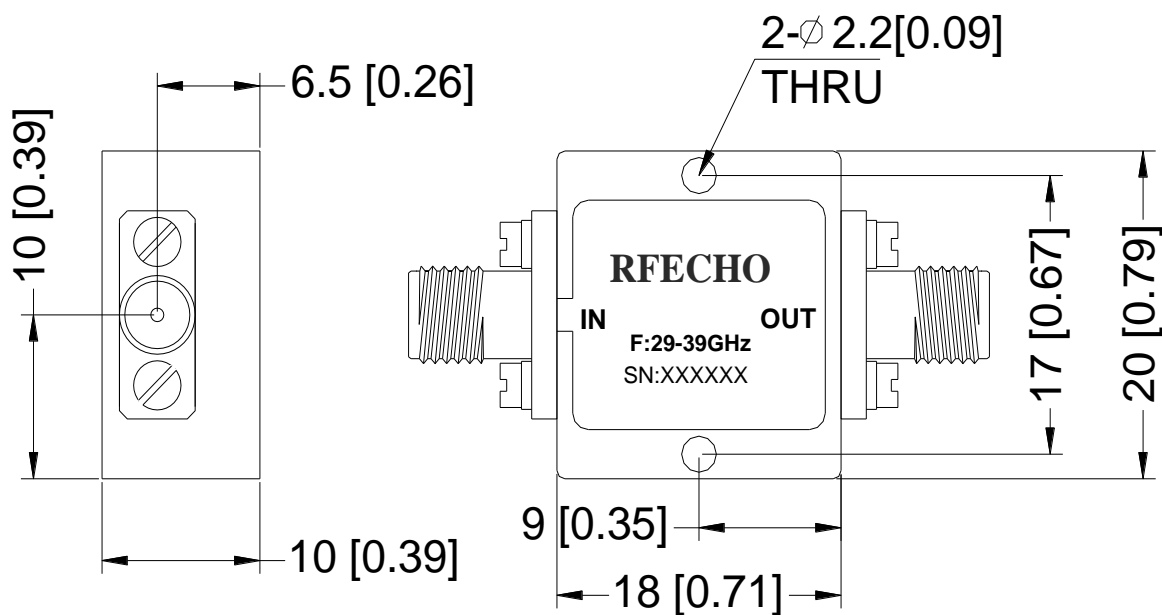


Environmental Specifications

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

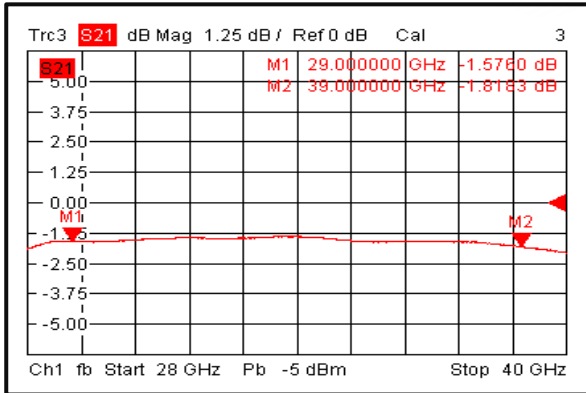
Outline Drawing:

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

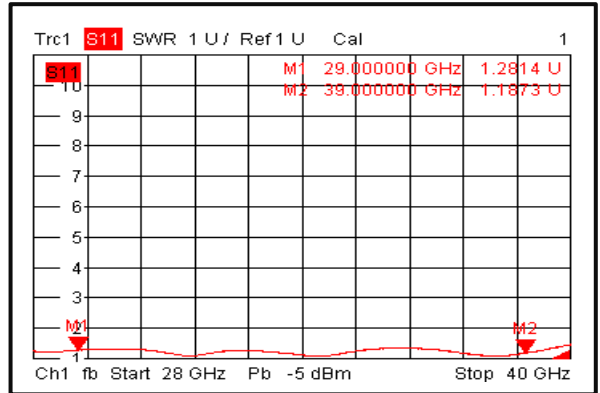




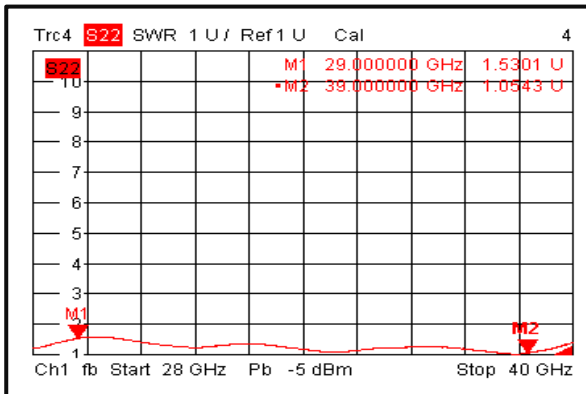
Insertion Loss @+25°C



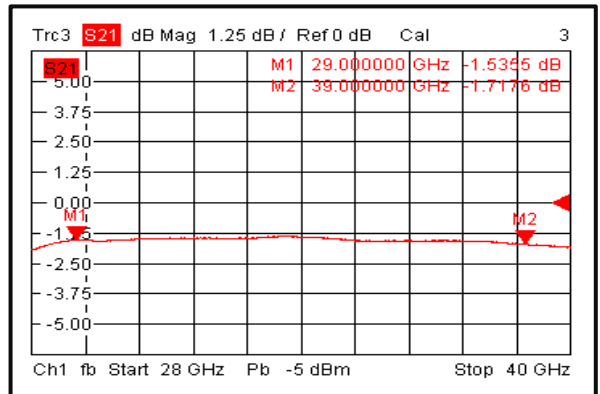
Input VSWR @+25°C



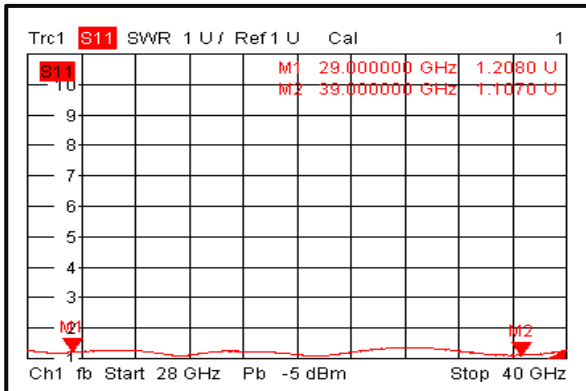
Output VSWR @+25°C



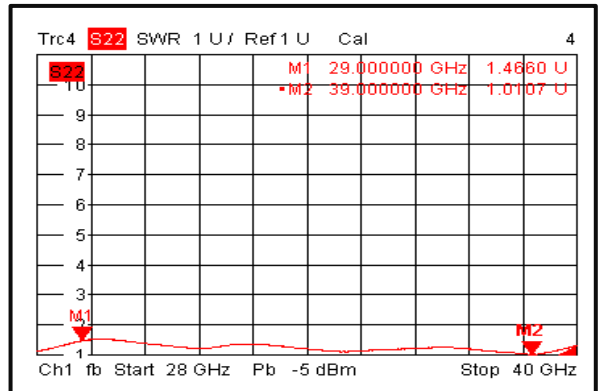
Insertion Loss @-40°C



Input VSWR @-40°C

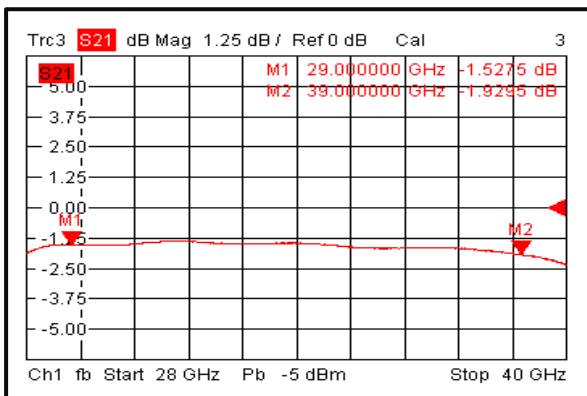


Output VSWR @-40°C

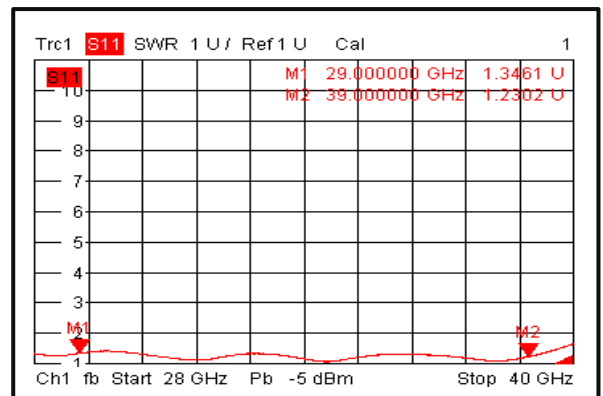




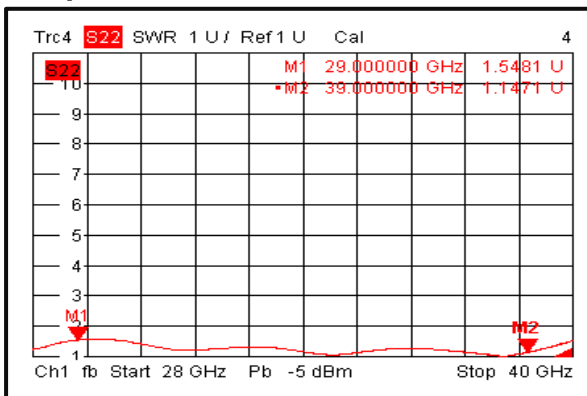
Insertion Loss @+85°C



Input VSWR @+85°C



Output VSWR @+85°C



Flat Leakage Power

