



29-39GHz Power Limiter



Electrical Specifications, $T_A=25\text{ }^\circ\text{C}$

Features

- Wide Band Operation 29-39GHz
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handle Capability up to 1W
- Customization available upon request

Parameters	Min.	Typ.	Max.	Units
Frequency Range	29		39	GHz
CW Input Power			1	CW
Peak Power(<10% <2us)			2	W
Insertion Loss		2.0	2.5	dB
Insertion Loss Temperature Coefficient		0.004		dB/°C
VSWR		1.8	2	
Flat Leakage @ PIN < 30 dBm			20	dBm
Peak Power Leakage @ PIN < 30 dBm			20	dBm
Operating Temperature	-40 to 85			°C
Weight	1.2			ounces
Input / Output Connector	2.92mm-Female			
Material	Aluminum			
Finishing	Gold Plating			

Environment specifications

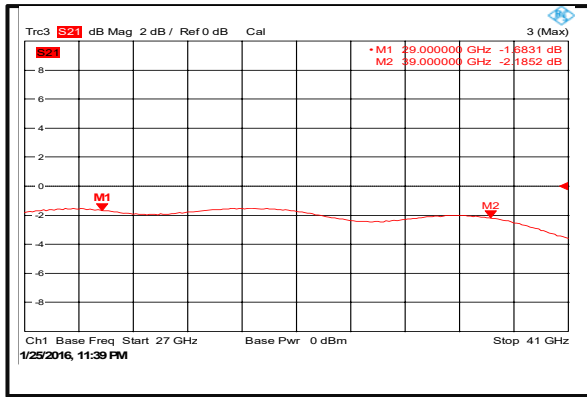
Operational Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave, 3 axis both directions

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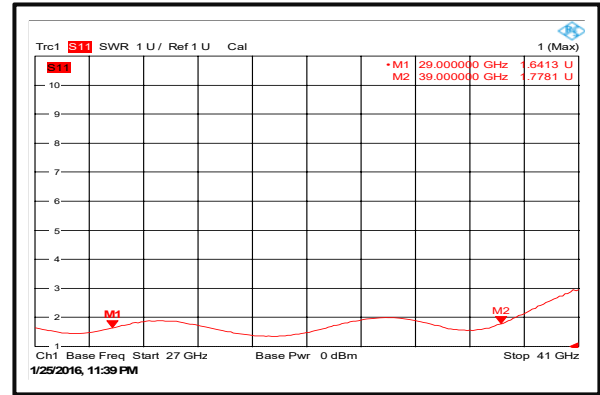


Typical Performance Plots

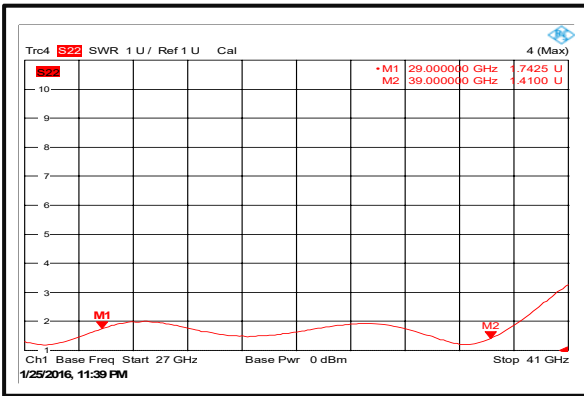
Insertion Loss



Input VSWR

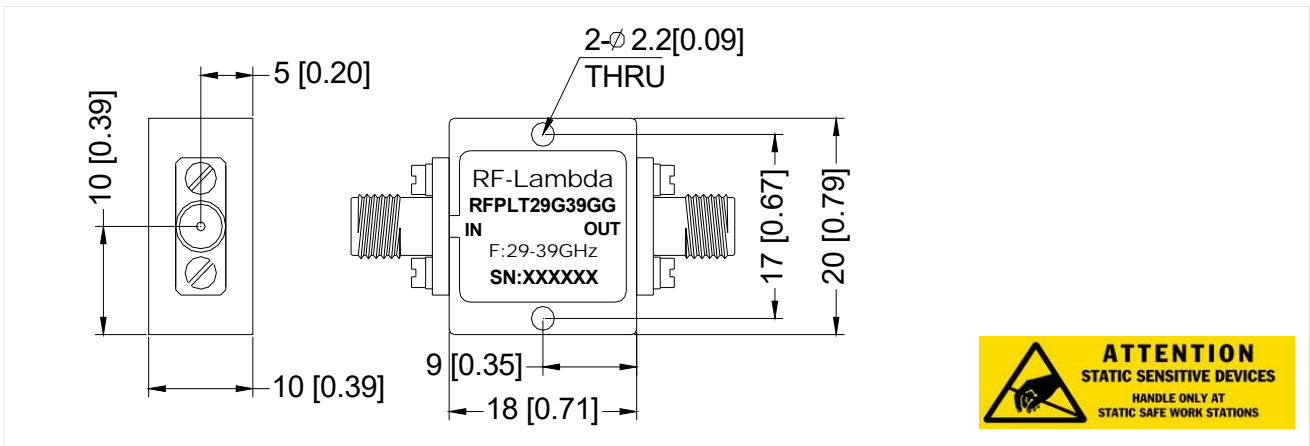


Output VSWR



Outline Drawing:

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



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