



1-6GHz Power Limiter



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

Features

- Wide Band Operation 1-6GHz
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handle Capability up to 100W
- Customization available upon request

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Parameters	Min.	Typ.	Max.	Units
Frequency Range	1		6	GHz
CW Input Power or Pulsed, (pulsed<10% <10us, 25C)			100	CW
Peak Power(pulsed<15% <100us, 25C)			100	W
Insertion Loss		0.8	1.0	dB
VSWR		1.8	2	
Flat Leakage		≤ 16		dBm
Peak Power Leakage		≤ 16		dBm
Operating Temperature		-45 to 85		°C
Weight		1.06		ounces
Input / Output Connector	SMA-Female			
Material	Aluminum			
Finishing	Gold Plating			

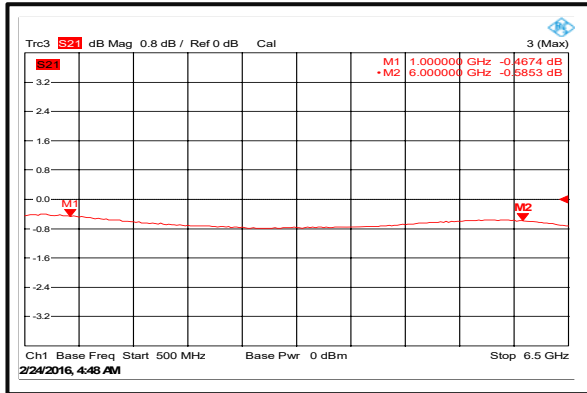
Environment specifications

Operational Temperature (° C)	-45 to +85
Storage Temperature (° C)	-55 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

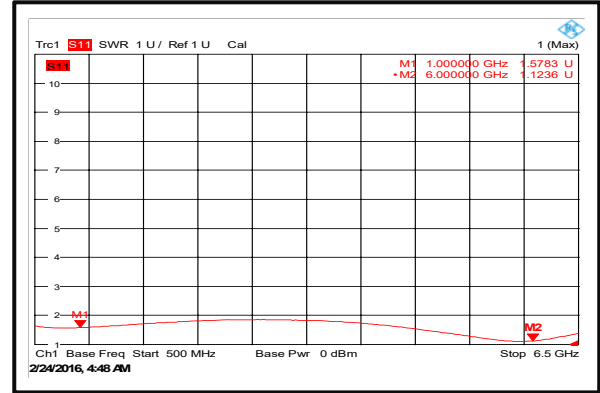


Typical Performance Plots

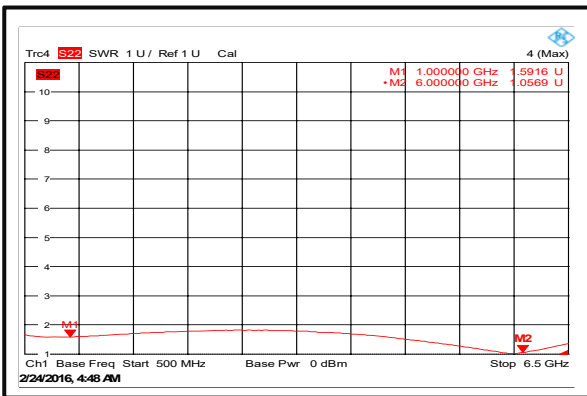
Insertion Loss



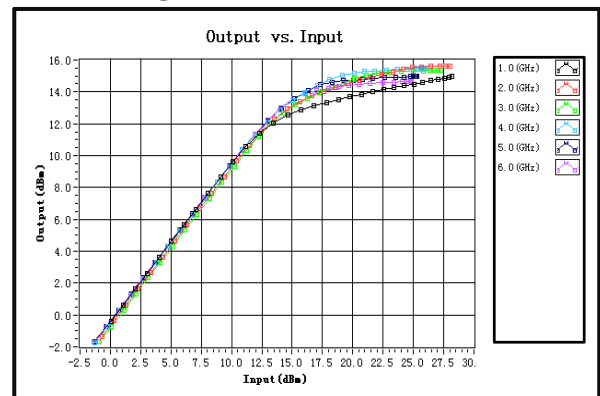
Input VSWR



Output VSWR

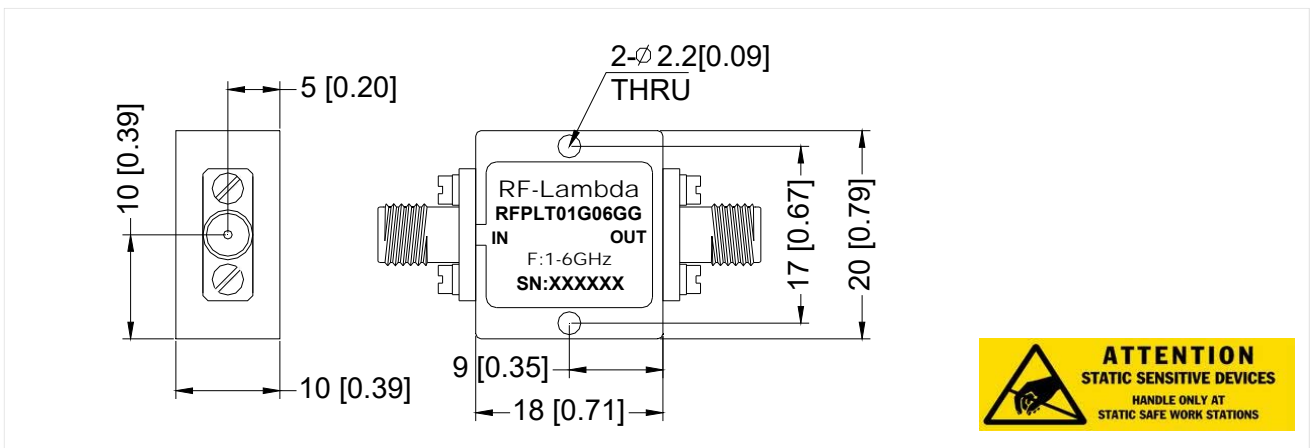


Flat Leakage



Outline Drawing:

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



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