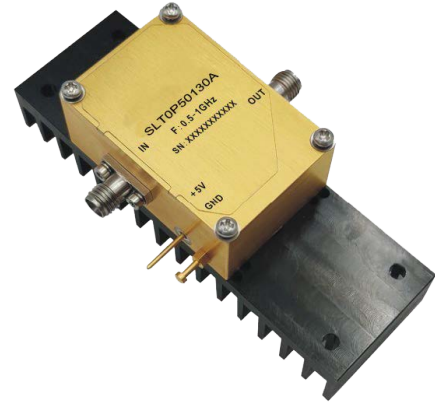


### Features

- Wide Band Operation 0.5-1GHz
- Active, High Isolation Limiter
- Low Insertion Loss
- High Power Handle Capability up to 38dBm



Parameter		Min.	Typ.	Max.	Units
Frequency Range		0.5		1	GHz
CW Input Power			37		dBm
Insertion Loss			1.3	1.5	dB
VSWR			1.5	1.8	: 1
Flat Leakage Power at PIN = +30dBm			-20	-15	dBm
Response Time			1		us
Voltage			+5		V
Current			100		mA
Weight	Net		4.4 Max.		Ounces
	Including Heat Sink		6.3 Max.		
Input / Output Connectors		SMA-Female			
Material		Aluminum			
Finish		Gold Plated			

**Input Over Drive Front End Protector 0.5GHz-1GHz**

**Absolute Maximum Ratings**

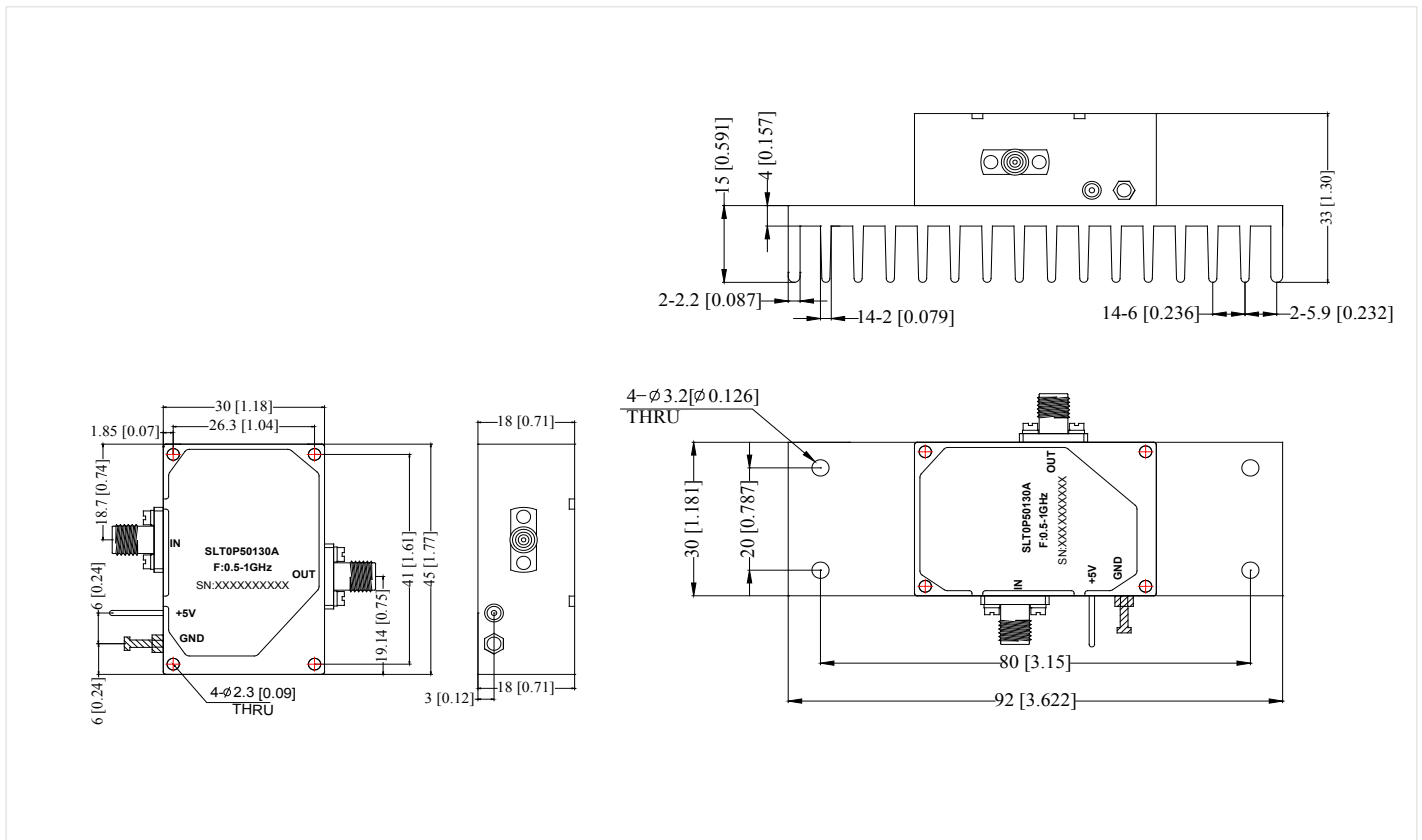
Parameter	Rating
Voltage	+5.5V
RF Input Power (CW)	+38dBm

**Environmental Specifications**

Operational Temperature (°C)	-40°C~+85°C(Case Temperature)
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

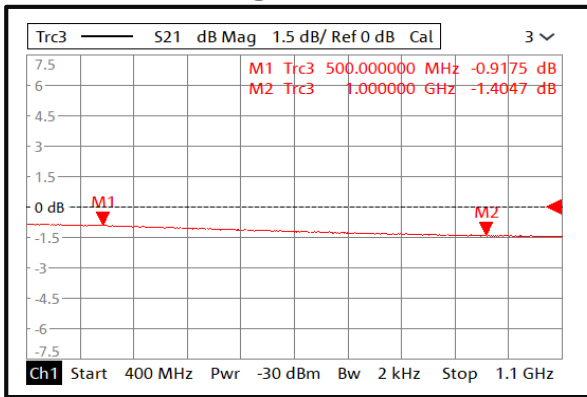
**Outline Drawing:**

All Dimensions in mm ( inches ) Housing Tolerances  $\pm 0.1$  (0.004)

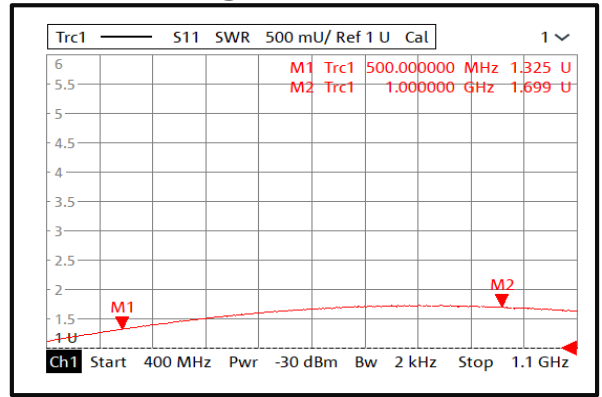


Input Over Drive Front End Protector 0.5GHz-1GHz

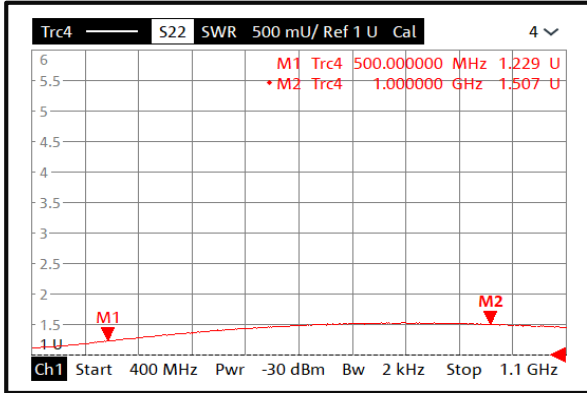
Insertion Loss @+25°C



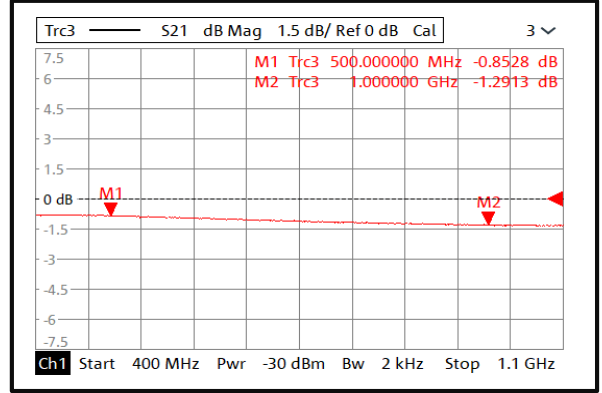
Input VSWR @+25°C



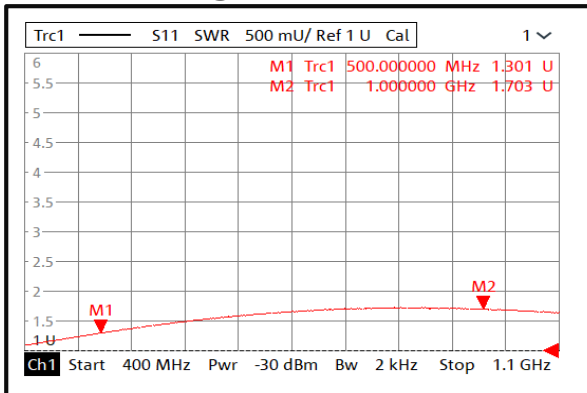
Output VSWR @+25°C



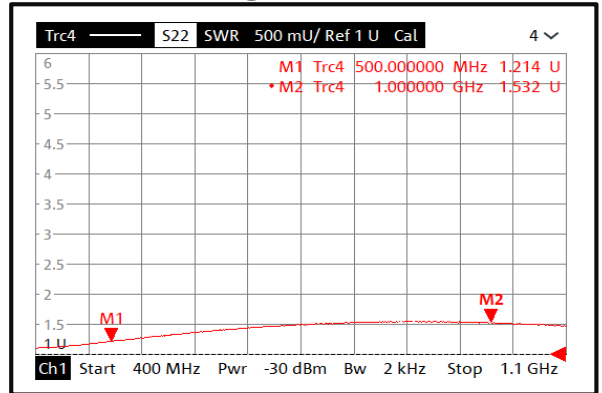
Insertion Loss @-40°C



Input VSWR @-40°C

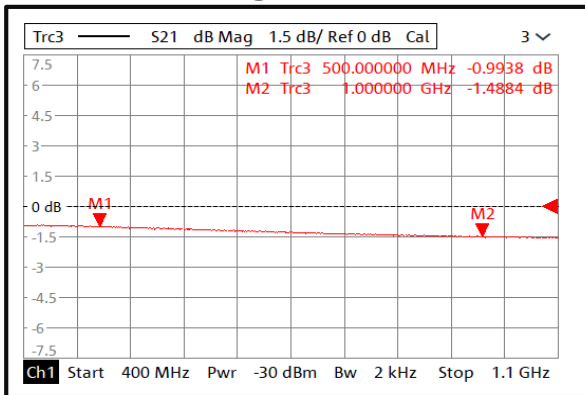


Output VSWR @-40°C

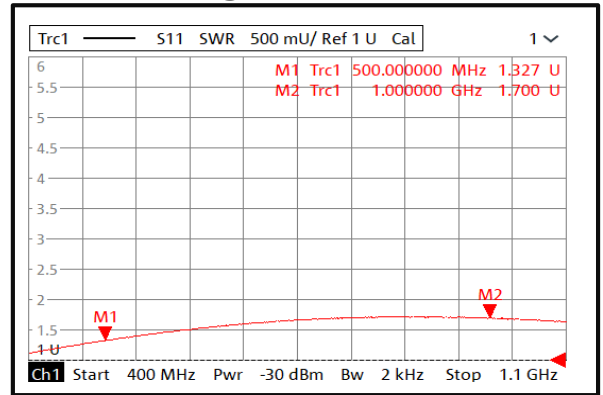


Input Over Drive Front End Protector 0.5GHz-1GHz

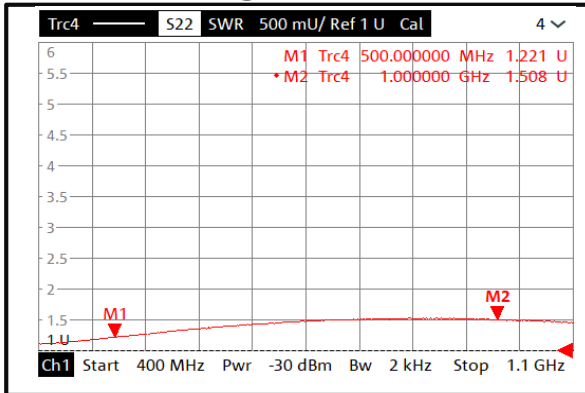
Insertion Loss @+85°C



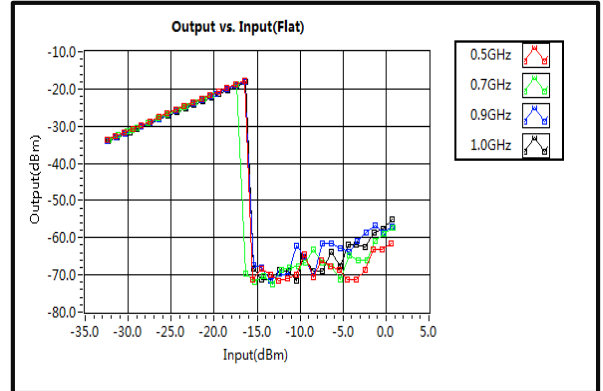
Input VSWR @+85°C



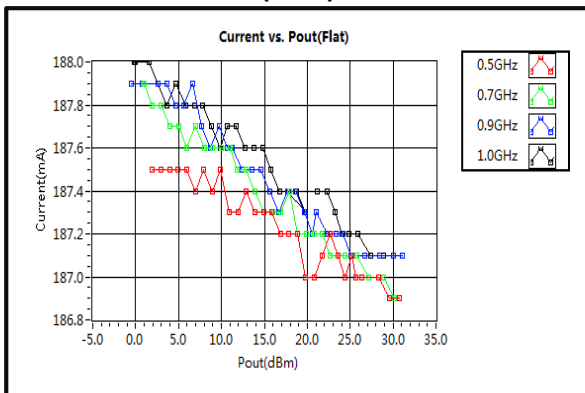
Output VSWR @+85°C



Flat Leakage Power



Current vs. Pout(Flat)



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