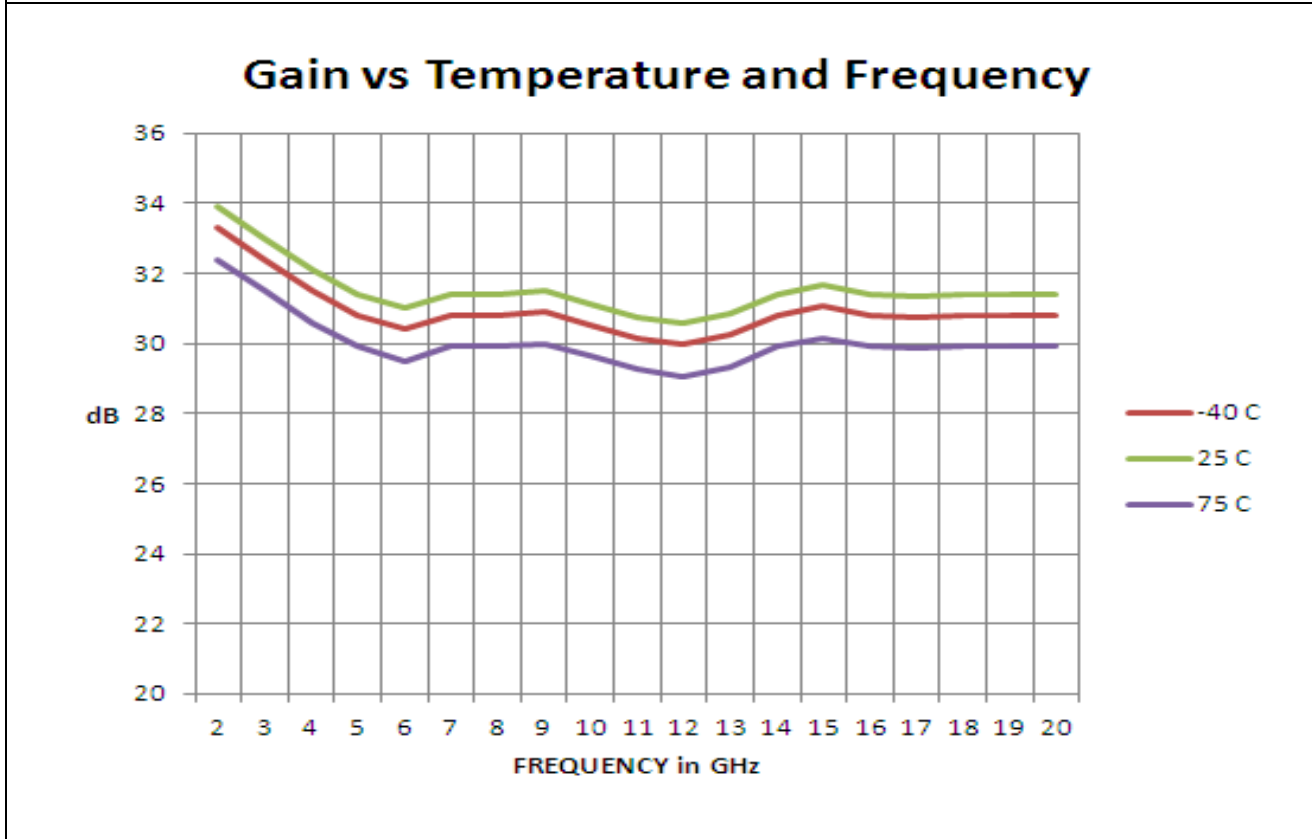
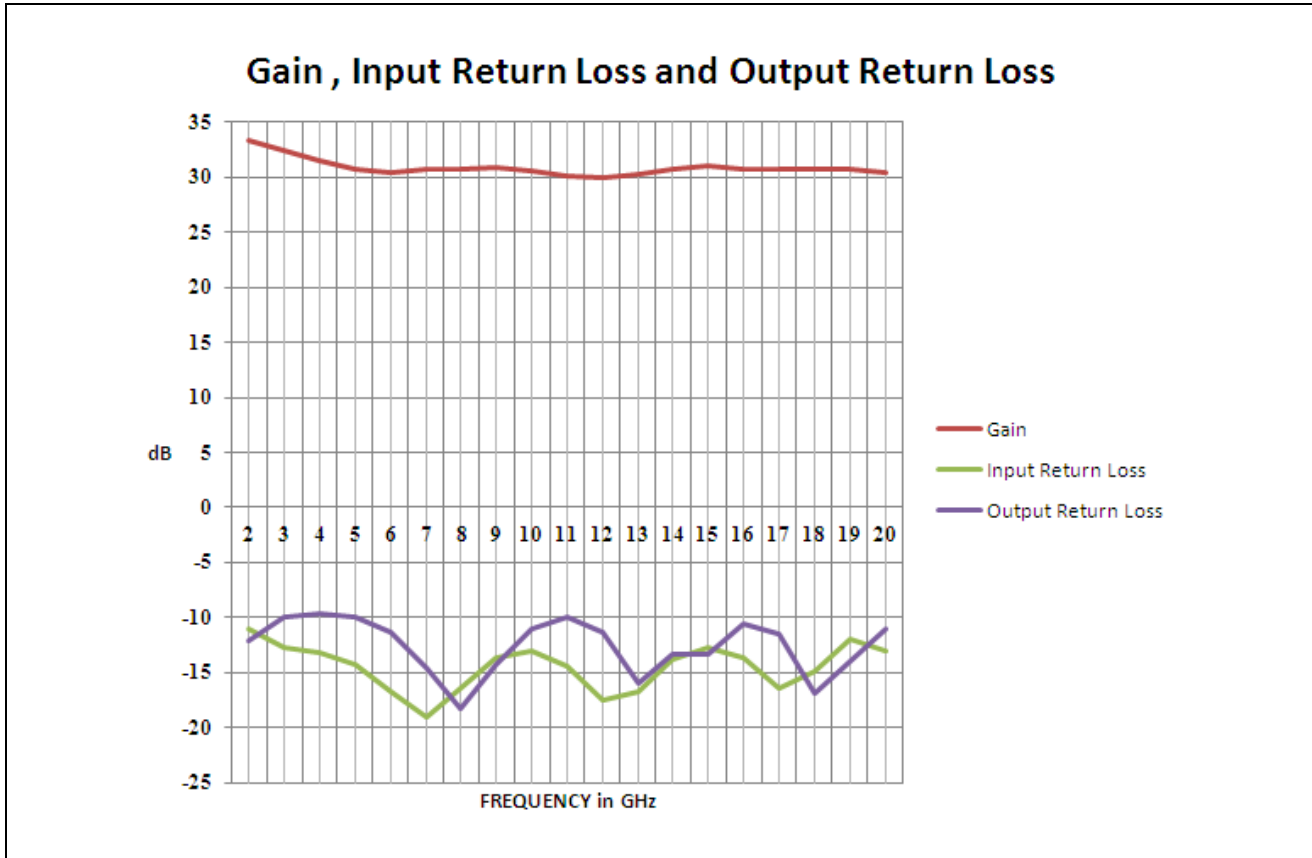
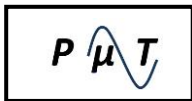
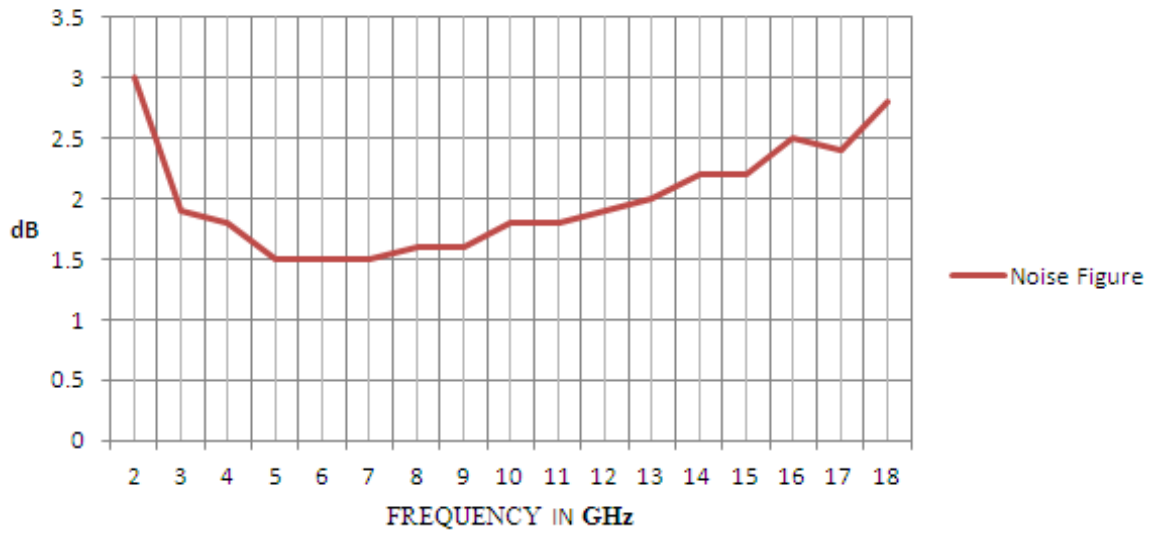


<b>Low Noise Amplifiers</b> 1 to 12 GHz NF 4dB Mid Band	<b>PmT-LNA Series</b> Model: PmTA-112-30-4
<b>FEATURES:</b> <ul style="list-style-type: none"> <li>■ 1 to 12 GHz Frequency Range</li> <li>■ 30 dB Small Signal Gain</li> <li>■ Low Noise Figure</li> <li>■ 50 Ohm Input and Output Matched</li> <li>■ Internal Voltage Regulation and Bias Sequencing</li> <li>■ Unconditionally Stable</li> <li>■ Sealed Module</li> <li>■ -50°C to 100°C Standard</li> </ul>	
<b>Electrical Specifications (TA=25C)</b>	
<b>Parameters</b>	<b>Specifications</b>
Frequency	1 to 12 GHz
Small Signal Gain	30 dB minimum
Gain Flatness	±1.25 dB
Noise Figure	4 dB at mid band
Input Return Loss	-10 dB
Output Return Loss	-10 dB
Pout	17 dB minimum
Operating DC Voltage	12 Volts
Operating DC Current	100 mA
Connectors	SMA Female
DC Connector	Solder in Filter
<b>Absolute Maximum Rating</b>	
DC Voltage	20 Volts
RF Input Power	5 dBm
Operating Temperature	-40 °C to 85 °C
Storage Temperature	-55 °C to 150 °C

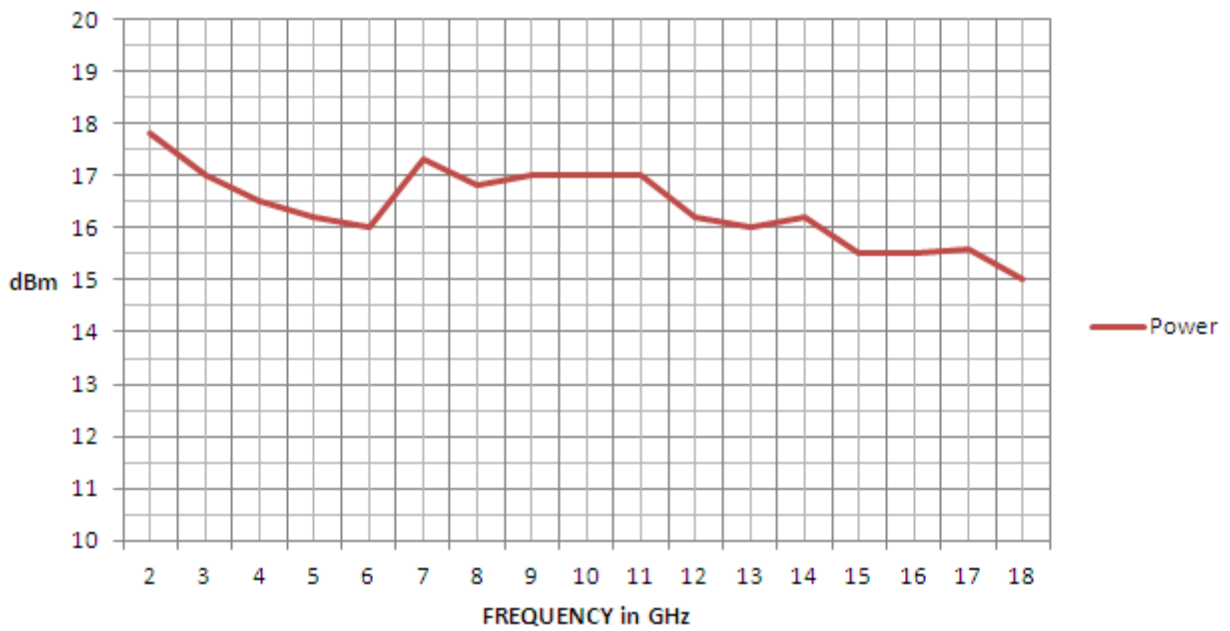


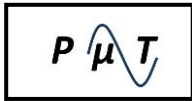


### Noise Figure vs. Frequency



### Power -1 dB vs Frequency





**PRINCETON MICROWAVE TECHNOLOGY INC.**  
*The SOURCE For High Performance Frequency Source*

