
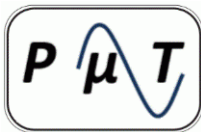
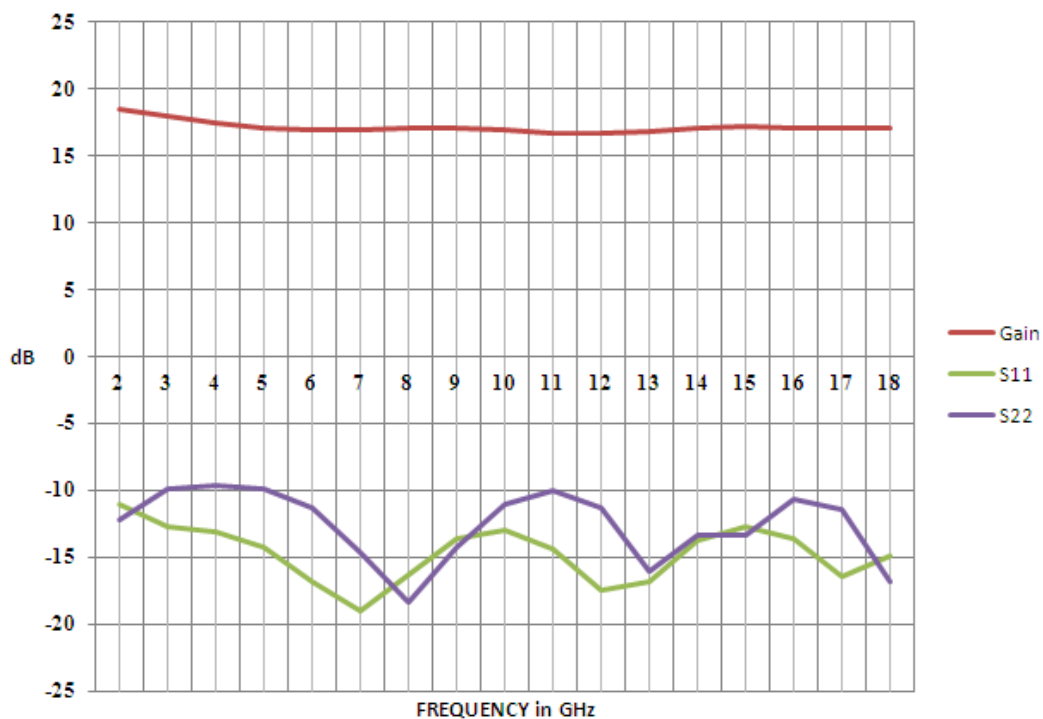


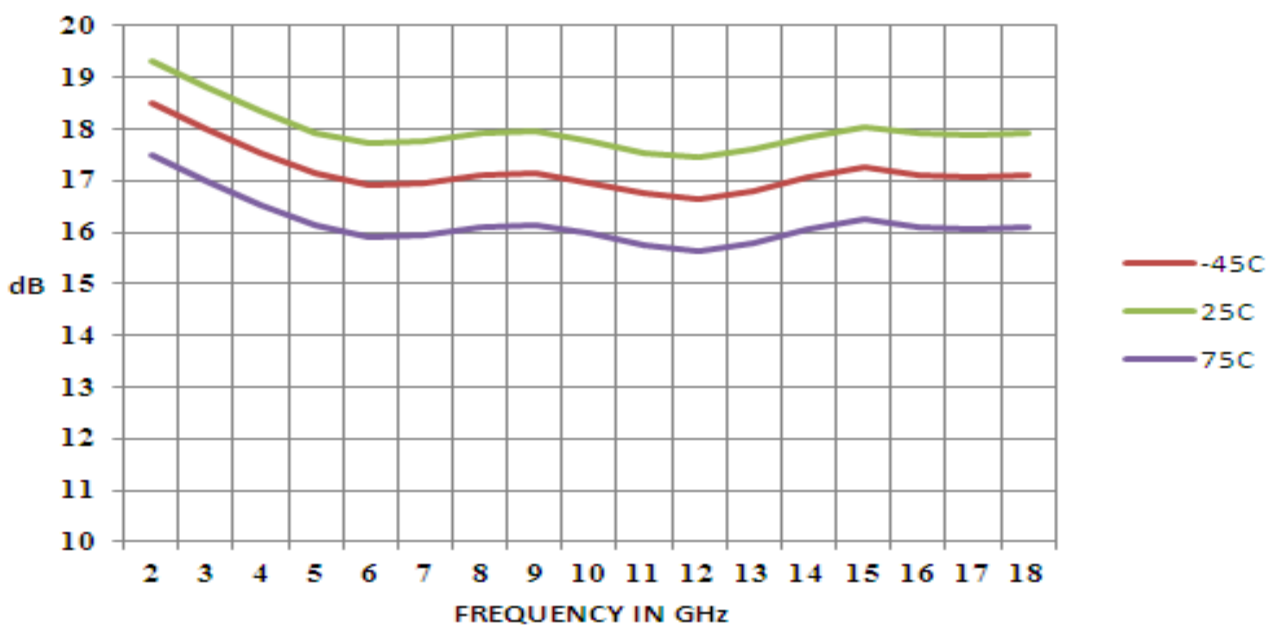
<p style="text-align: center;">Low Noise Amplifiers 12 to 30 GHz NF 2dB Mid Band</p>	<p style="text-align: center;">PmT-LNA Series Model: PmTA-1230-24-2</p>
<p>FEATURES:</p> <ul style="list-style-type: none"> ■ 12 to 30 GHz Frequency Range ■ 24 dB Small Signal Gain ■ Low Noise Figure ■ 50 Ohm Input and Output Matched ■ Internal Voltage Regulation and Bias Sequencing ■ Unconditionally Stable ■ Sealed Module ■ -50°C to 100°C Standard 	
<p>Electrical Specifications (TA=25C)</p>	
<p>Parameters</p>	<p>Specifications</p>
<p>Frequency</p>	<p>12 to 30 GHz</p>
<p>Small Signal Gain</p>	<p>24 minimum</p>
<p>Gain Flatness</p>	<p>±1.25 dB</p>
<p>Noise Figure</p>	<p>2 dB at mid band</p>
<p>Input Return Loss</p>	<p>-10 dB</p>
<p>Output Return Loss</p>	<p>-10 dB</p>
<p>Pout</p>	<p>23 dB minimum</p>
<p>Operating DC Voltage</p>	<p>12 Volts</p>
<p>Operating DC Current</p>	<p>100 mA</p>
<p>Connectors</p>	<p>SMA Female</p>
<p>DC Connector</p>	<p>Solder in Filter</p>
<p>Absolute Maximum Rating</p>	
<p>DC Voltage</p>	<p>20 Volts</p>
<p>RF Input Power</p>	<p>5 dBm</p>
<p>Operating Temperature</p>	<p>-40 °C to 85 °C</p>
<p>Storage Temperature</p>	<p>-55 °C to 150 °C</p>

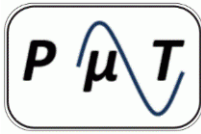


Gain, Input Return Loss and Output Return Loss

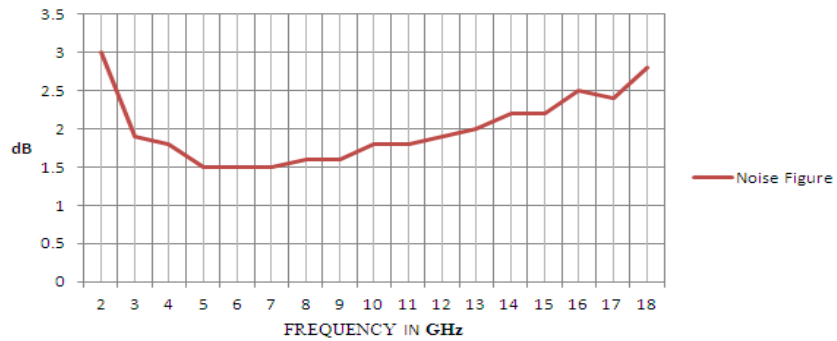


Gain vs. Temperature

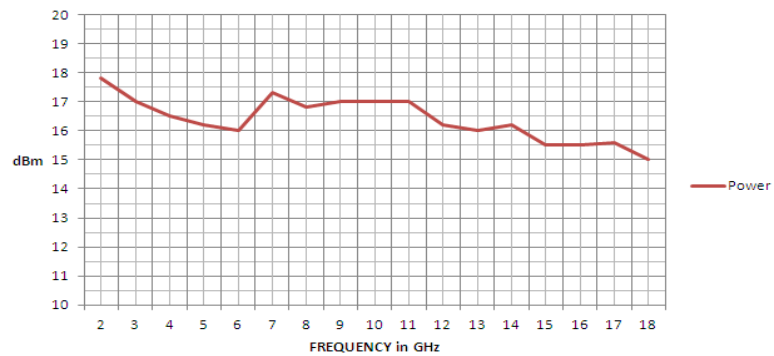




Noise Figure vs. Frequency



Power -1 dB vs Frequency



Package:

