
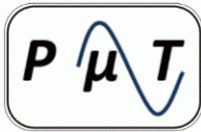
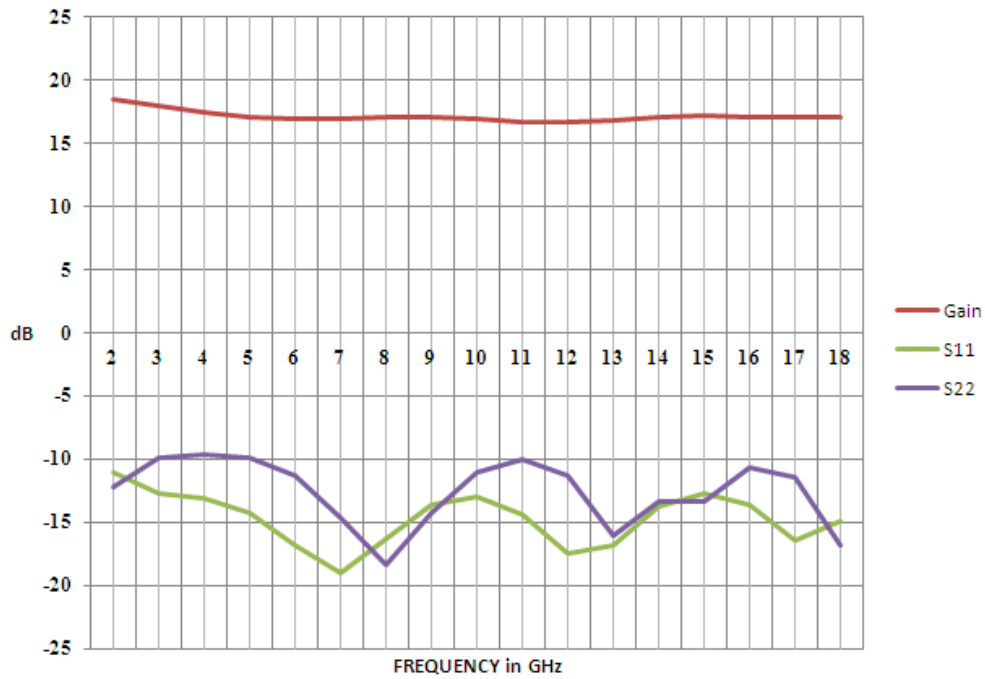


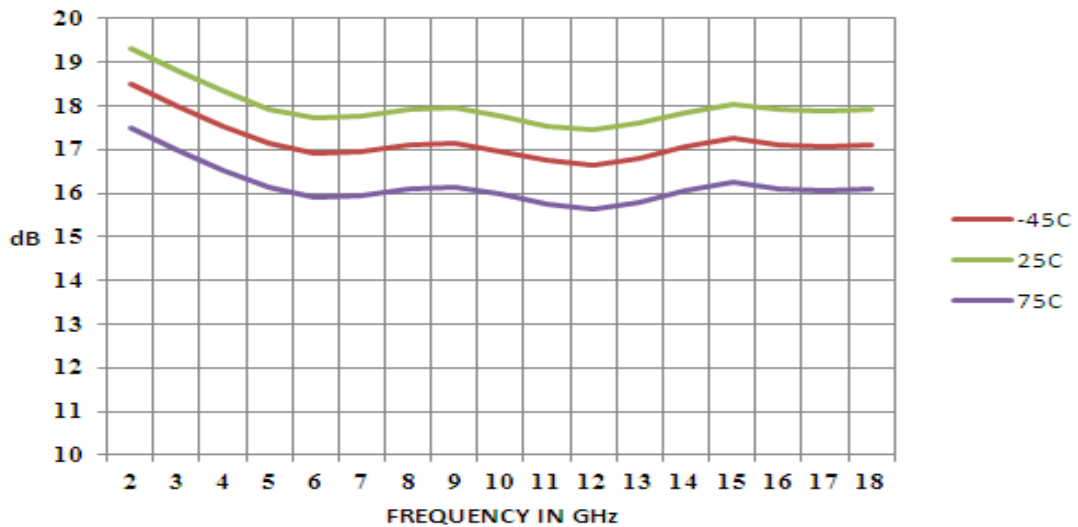
<p style="text-align: center;">Low Noise Amplifiers 18 to 30 GHz NF 3dB Mid Band</p>	<p style="text-align: center;"><b>PmT-LNA Series</b> Model: PmTA-1830-20-3</p>
<p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>■ 18 to 30 GHz Frequency Range</li> <li>■ 20 dB Small Signal Gain</li> <li>■ 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>	
<p>Electrical Specifications (TA=25C)</p>	
<p>Parameters</p>	<p>Specifications</p>
<p>Frequency</p>	<p>18 to 30 GHz</p>
<p>Small Signal Gain</p>	<p>20 minimum</p>
<p>Gain Flatness</p>	<p>±1.25 dB</p>
<p>Noise Figure</p>	<p>3 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>10 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>

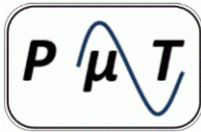


### Gain, Input Return Loss and Output Return Loss

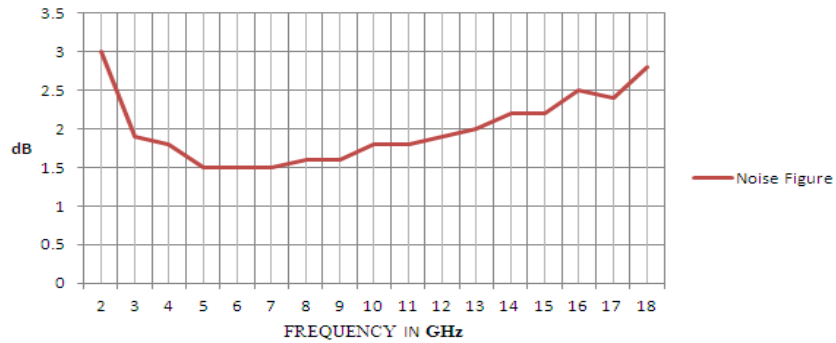


### Gain vs. Temperature

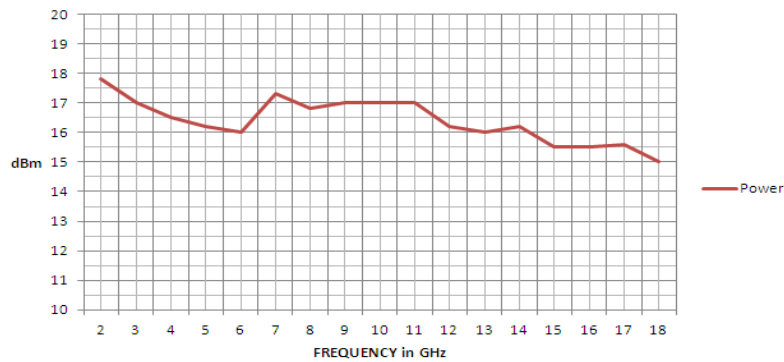




Noise Figure vs. Frequency



Power -1 dB vs Frequency



Package:

