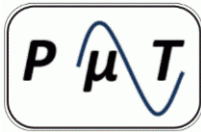
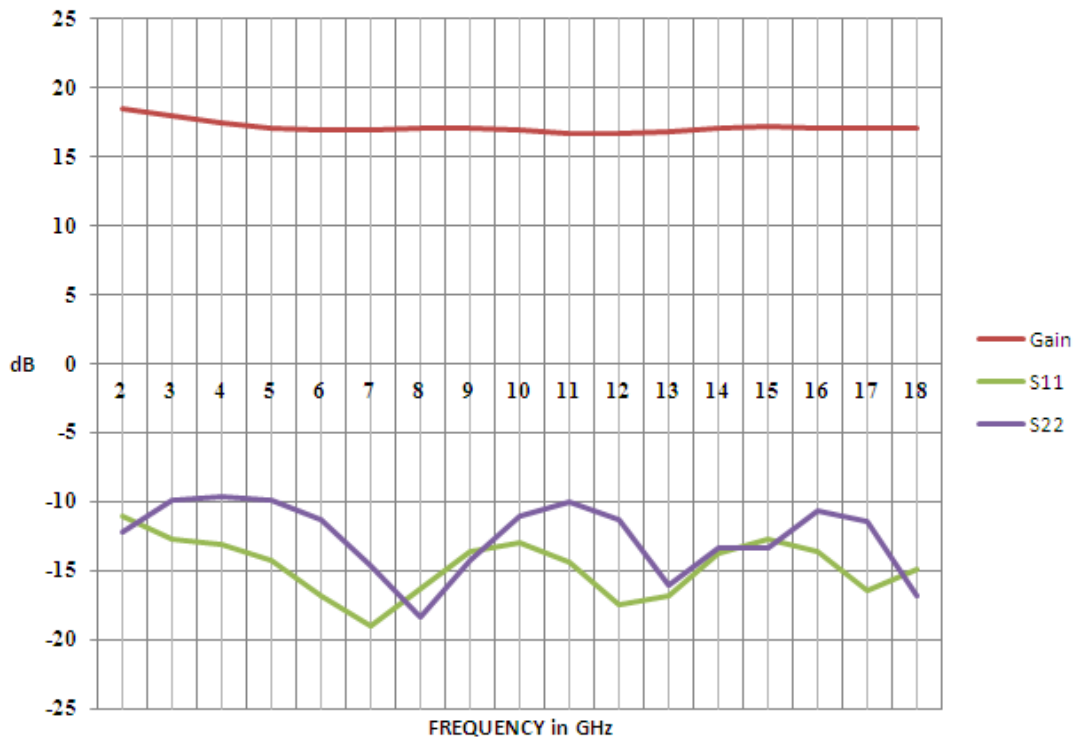


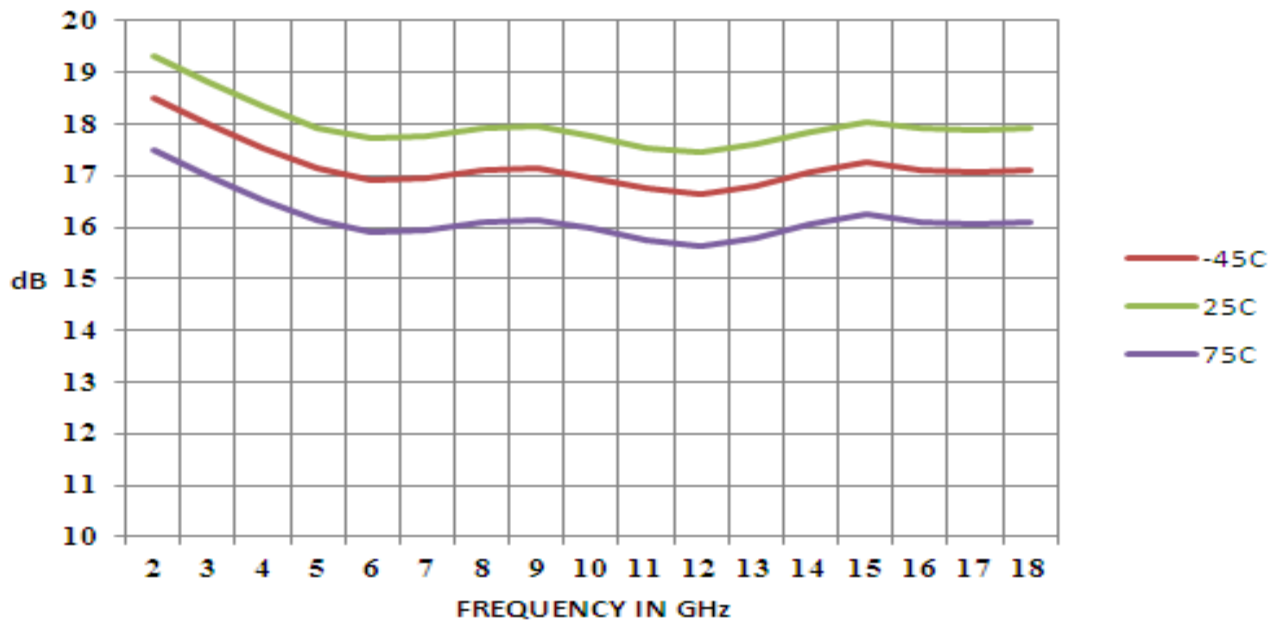
<p>Low Noise Amplifiers 2-18 GHz NF 2dB Mid Band</p>	<p><b>PmT-LNA Series</b> Model: PmTA-218-17-2</p>
<p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>■ 2 GHz to 18 GHz Frequency Range</li> <li>■ 17 dB Small Signal Gain</li> <li>■ Low Noise Figure</li> <li>■ 50 Ohm Input and Output Matched</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>	
Parameters	Specifications
Frequency	2-18 GHz
Small Signal Gain	17 minimum
Gain Flatness	±1.25 dB
Noise Figure	2 dB at mid band
Input Return Loss	-10 dB
Output Return Loss	-10 dB
Pout	18 dB minimum
Operating DC Voltage	12 Volts
Operating DC Current	100 mA
Connectors	SMA Female
DC Connector	Solder in Filter
<p>Absolute Maximum Rating</p>	
DC Voltage	20 Volts
RF Input Power	5 dBm
Operating Temperature	-40 °C to 85 °C
Storage Temperature	-55 °C to 150 °C

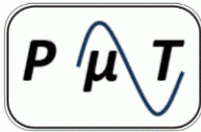


### Gain , Input Return Loss and Output Return Loss

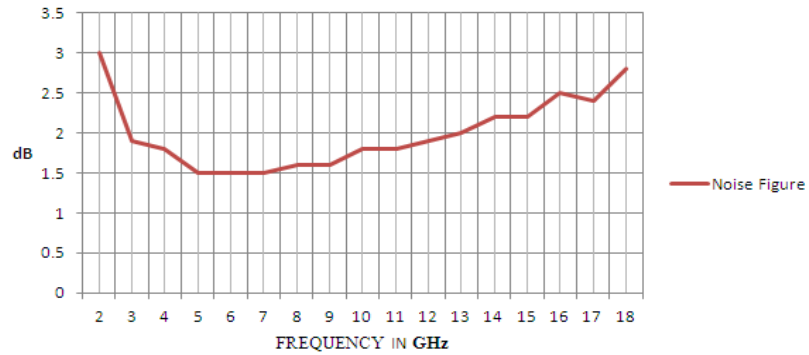


### Gain vs. Temperature

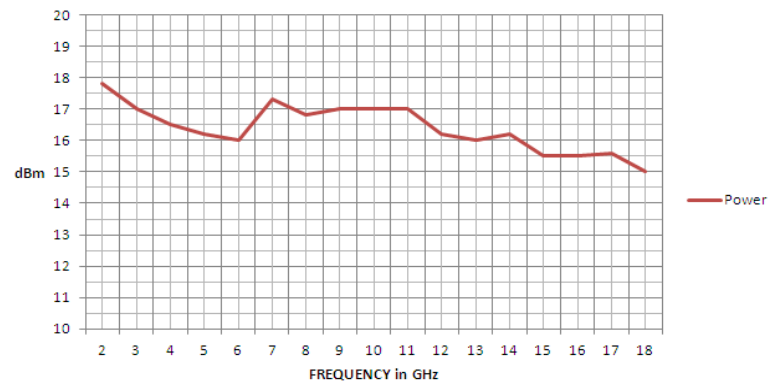




### Noise Figure vs. Frequency



### Power -1 dB vs Frequency



### Package:

