
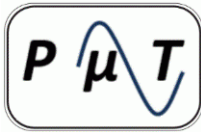
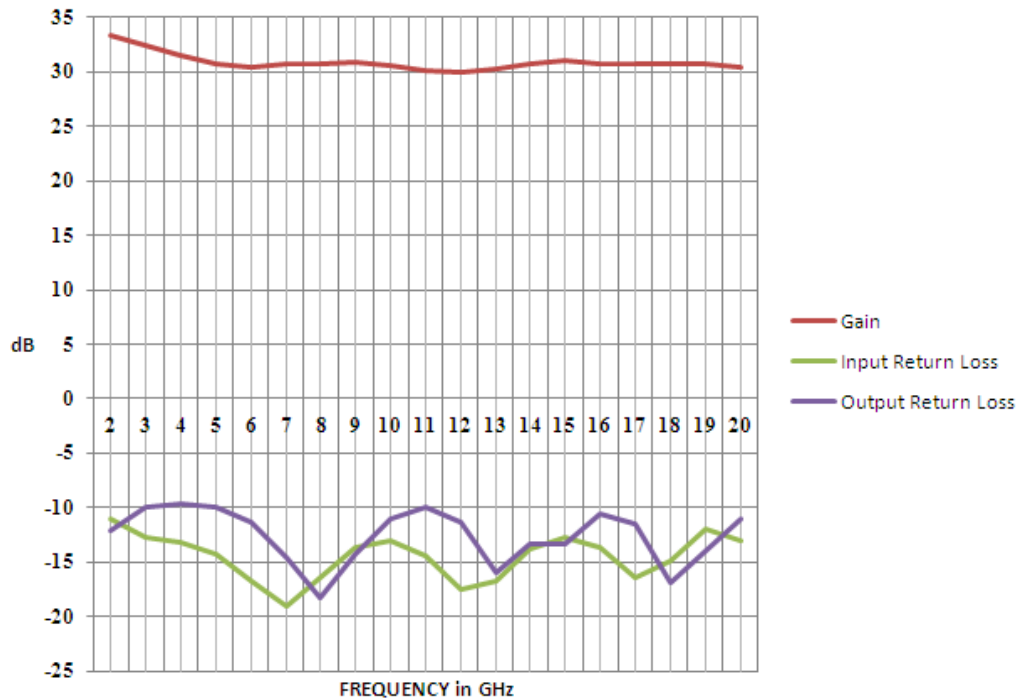


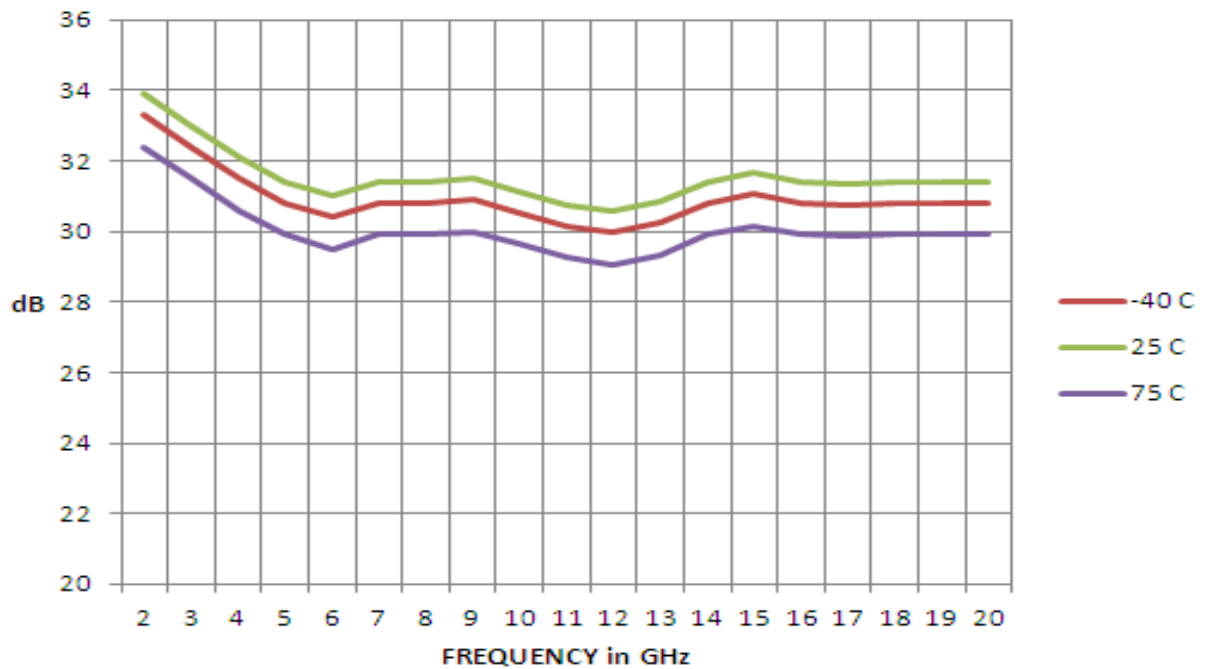
| | |
|--|---|
| <p style="text-align: center;">Low Noise Amplifiers 2-20 GHz NF 2.5 dB Mid Band</p> | <p style="text-align: center;">PmT-LNA Series Model: PmTA-220-30-2.5</p> |
| <p>FEATURES:</p> <ul style="list-style-type: none"> ■ 2 GHz to 20 GHz Frequency Range ■ 30 dB Small Signal Gain ■ Low Noise 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>2-20 GHz</p> |
| <p>Small Signal Gain</p> | <p>30 minimum</p> |
| <p>Gain Flatness</p> | <p>±1.25 dB</p> |
| <p>Noise Figure</p> | <p>2.5 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>16 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> |

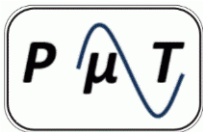


Gain, Input Return Loss and Output Return Loss

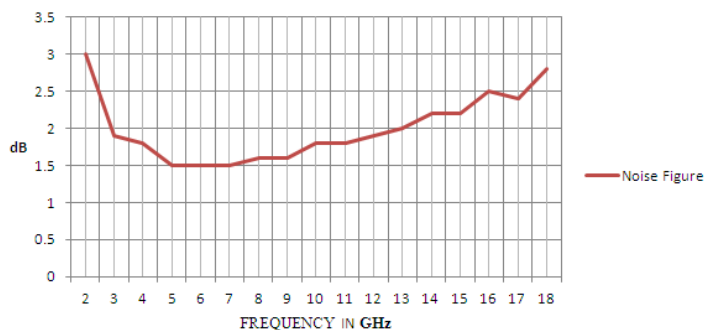


Gain vs Temperature and Frequency

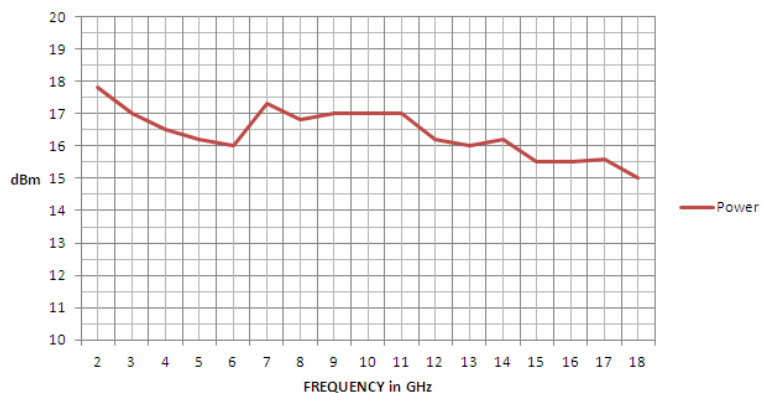




Noise Figure vs. Frequency



Power -1 dB vs Frequency



Package:

