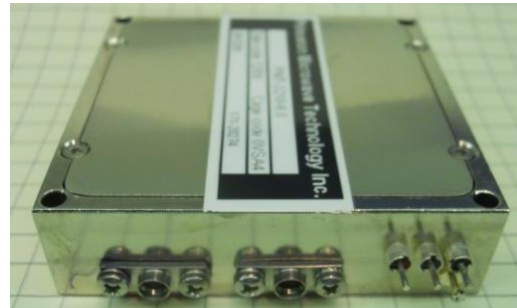


<b>Phase Locked Oscillator Internal Reference</b>	<b>MODEL: PmT-3220-Frequency (GHz)</b>
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**Features:**

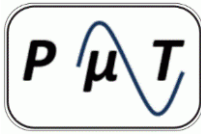
- Small Size
- Excellent Phase Noise
- Low Cost
- Crystal Frequency Stability
- Phase Locked Resonator Oscillator
- SMT Fabrication
- Low Phase Noise
- Packaged Active Devices



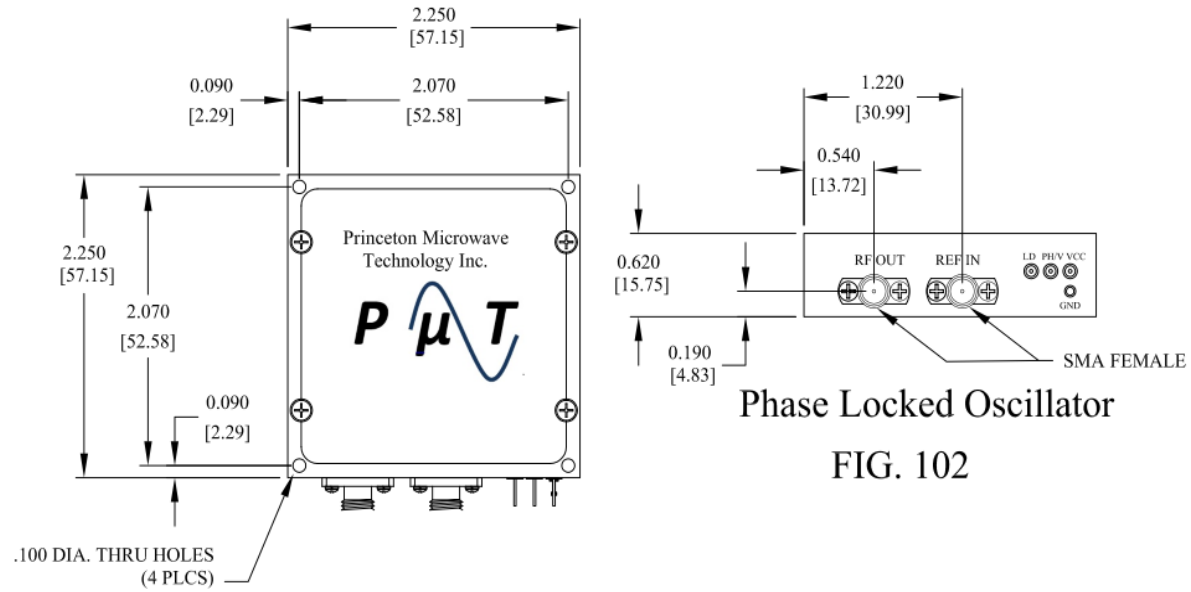
**Electrical Specifications**

**Model: PmT-3220-Frequency (GHz)**

<b>Parameters</b>	<b>Specifications</b>
Frequency Range	0.3 to 24 GHz
Power Output	+14 dBm
Load VSWR	2.0:1
Spurious	-80 dBc
Harmonics	-25 dBc
Alarm	High Z
Phase Noise 10 KHz Offset 100 KHz Offset 1 MHz Offset	20 Log N + 3 (N=Output Frequency/Reference Frequency) -120 dBc/Hz 140 dBc/Hz
Reference Input Frequency	N/A
Reference Input Power	N/A
Frequency Stability	Same as Ext Ref
Voltage	12/15 V
Current	300 mA
Package Outline	Figure 102
Connector	SMA-F
Operating Temperature	-25 to 70 °C
Storage Temperature	-55 to 125°C
Size (inches)	2.25 x 2.25 x 0.62 inches
Finish	Nickel Plated



Package:



Phase Locked Oscillator

FIG. 102

Typical Phase noise plot

