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| **Phase Locked Oscillator**  **External Reference** | | **MODEL: PmT-3210-Frequency (GHz)** |
| **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-3210-Frequency (GHz)** | | |
| **Parameters** | **Specifications** | |
| 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 | 100 MHz | |
| Reference Input Power | 0±3 dBm | |
| Frequency Stability | Same as Ext Ref | |
| Voltage | 12/15 V | |
| Current | 250 mA | |
| Package Outline | Figure 101 | |
| 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 | |

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| Package: |
| Typical Phase noise plot: |