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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
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| **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 Noise10 KHz Offset100 KHz Offset1 MHz Offset | 20 Log N + 3 (N=Output Frequency/Reference Frequency-120 dBc/Hz140 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: |