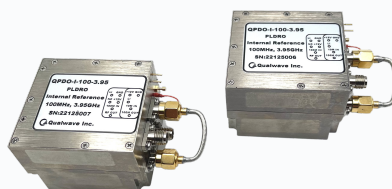


Phase Locked Oscillators up to 100 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Range**
Coaxial implementations up to 50 GHz, waveguide PLDRO up to 100 GHz
- **Output Power**
Nominal +25 dBm with custom power levels available
- **Reference Input**
Internal and external reference capability, 50–300 MHz
- **Waveguide Interfaces**
Standard WR15, WR10 and intermediate bands for mmWave frequencies
- **Customization**
Custom frequency bands, output power, and mechanical configurations available

APPLICATIONS

SATCOM Systems: Frequency generation for satellite communication payloads and ground station upconversion chains

Defense & Radar: Coherent radar signal generation and electronic warfare systems

5G/6G Infrastructure: Millimeter-wave backhaul and fronthaul frequency reference generation

Test & Measurement: Precision frequency synthesis for RF/mmWave signal generation and receiver testing