

Voltage Controlled Oscillator

RS1900AM

Rev. A

Optimized Band 1840 to 1960 MHz

Features

- Low phase noise
- Linear tuning characteristics
- Low pushing / Low pulling
- Aqueous washable

Applications

- SATCOM
- Receiver
- Test Equipment
- Radar
- Point-to-Point
- Radio
- MMDS
- WiMax

Electrical Characteristics



| Parameter | Units | Min | Typ | Max |
|---------------------------------|--------------------|------|------|------|
| Operating Frequency Range | MHz | 1840 | | 1960 |
| Output Power | dBm | | 6.0 | |
| Output Impedance | Ω | | 50 | |
| Phase Noise | @10kHz offset | | -104 | |
| | @100kHz offset | | -124 | |
| Tuning Voltage (Vt) | Vdc | +2 | | +10 |
| Tuning Voltage Sensitivity (Kv) | MHz/V | | 25 | |
| 2nd Harmonic Suppression | dBc | | -20 | |
| Power Supply (Vcc) | Voltage | Vdc | 12 | |
| | Current | mA | 19 | |
| Pushing Figure | MHz/V | | 0.5 | |
| Pulling Figure | MHz | | 5 | |
| Input Capacitance | pF | | 47 | |
| Operating Temp. Range | $^{\circ}\text{C}$ | -40 | | +85 |

Dimensions



PACKAGE DRAWING : VA16-L