

Voltage Controlled Oscillator

RS3558AM

Optimized Band 3300 to 3815 MHz

Rev. A

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 | 3300 | | 3815 |
| Output Power | dBm | | 3.0 | |
| Output Impedance | Ω | | 50 | |
| Phase Noise | @10kHz offset | | -96 | |
| | @100kHz offset | | -116 | |
| Tuning Voltage (Vt) | Vdc | +2 | | +10 |
| Tuning Voltage Sensitivity (Kv) | MHz/V | | 75 | |
| 2nd Harmonic Suppression | dBc | | -15 | |
| Power Supply (Vcc) | Voltage | | 5 | |
| | Current | | 26 | |
| Pushing Figure | MHz/V | | 2.5 | |
| Pulling Figure | MHz | | 10 | |
| Input Capacitance | pF | | 20 | |
| Operating Temp. Range | $^{\circ}\text{C}$ | -40 | | +85 |

Dimensions



PACKAGE DRAWING : VA16-L