Voltage-Controlled Oscillator
Surface Mount Module

Applications
- Satellite Communication Systems
- Earthstations
- Digital Radios

Application Notes
- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering

Performance Specifications | Min | Typ | Max | Units
---|---|---|---|---
Oscillation Frequency Range | 1700 | 2496 | MHz |
Phase Noise @ 10 kHz offset (1 Hz BW) | -91 | dBc/Hz |
Harmonic Suppression (2nd) | -25 | -18 | dBc |
Tuning Voltage | 2 | 20 | Vdc |
Tuning Sensitivity (avg.) | 72 | MHz/V |
Power Output | 4 | 7 | 10 | dBm |
Load Impedance | 50 | Ω |
Input Capacitance | 50 | pF |
Pulling (14 dB Return Loss, Any Phase) | 8 | MHz/V |
Operating Temperature Range | -10 | 85 | °C |
Package Style | MINI-14S-L |

Power Supply Requirements | Min | Typ | Max | Units
---|---|---|---|---
Supply Voltage (Vcc, nom.) | 10 | Vdc |
Supply Current (Icc) | 23 | 28 | mA |

Additional Notes

LFSuffix = RoHS Compliant. All specifications are subject to change without notice.

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Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions

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