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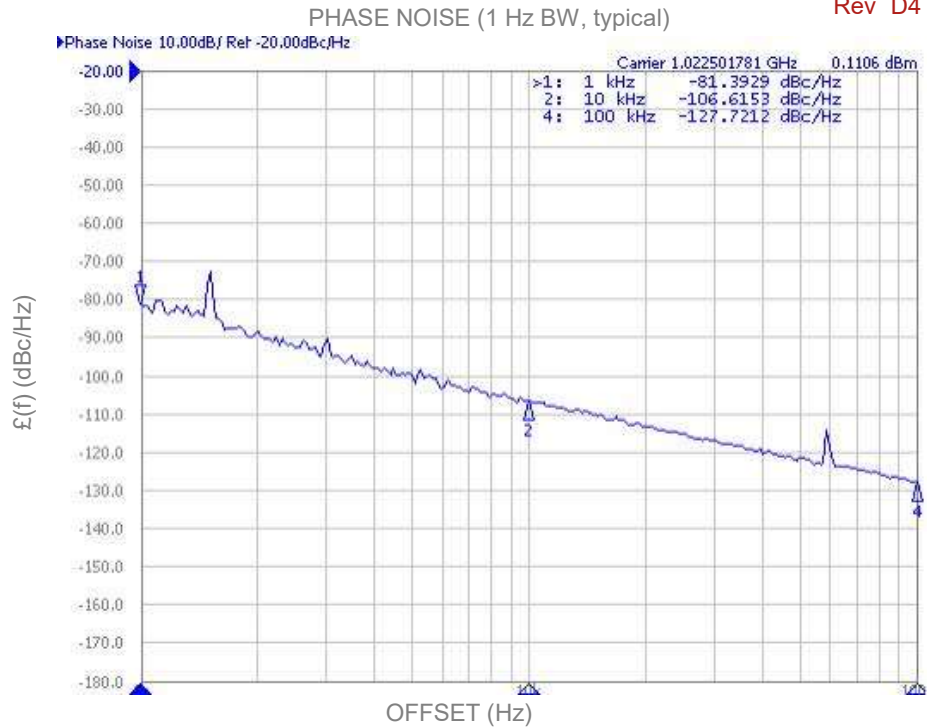
Voltage-Controlled Oscillator Surface Mount Module

Applications

Basestations
 Satellite Communications

Application Notes

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

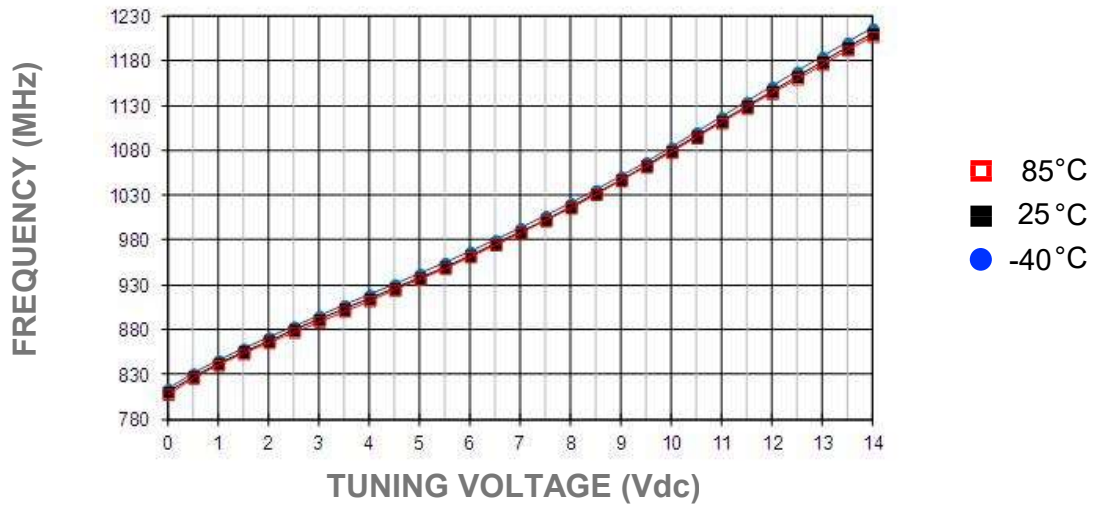


| Performance Specifications | Min | Typ | Max | Units |
|--|--------------|------|------|--------------------|
| Oscillation Frequency Range | 865 | | 1180 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW) | | -107 | | dBc/Hz |
| Harmonic Suppression (2nd) | | -12 | -9 | dBc |
| Tuning Voltage | 1 | | 14 | Vdc |
| Tuning Sensitivity (avg.) | | 30 | | MHz/V |
| Power Output | 1 | 6 | 11 | dBm |
| Load Impedance | | 50 | | Ω |
| Input Capacitance | | | 150 | pF |
| Pushing | | | 2 | MHz/V |
| Pulling (12 dB Return Loss, Any Phase) | | | 2 | MHz |
| Operating Temperature Range | -40 | | 85 | $^{\circ}\text{C}$ |
| Package Style | VCO-MINI-14S | | | |

| Power Supply Requirements | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) | | 5 | | Vdc |
| Supply Current (Icc) | | 24 | 29 | mA |

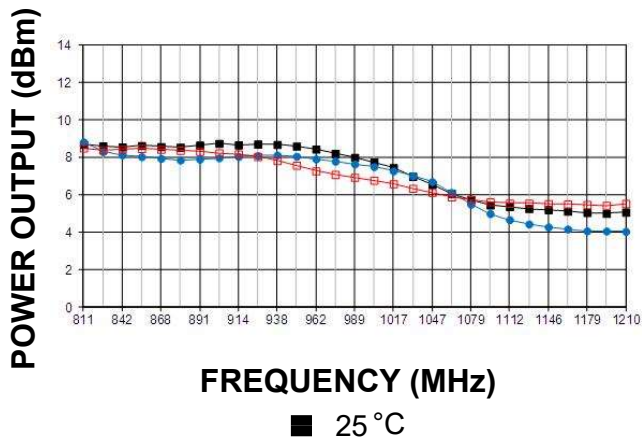
Additional Notes

Tuning Curve, typ.



Power Curve, typ.

Footprint



Physical Dimensions