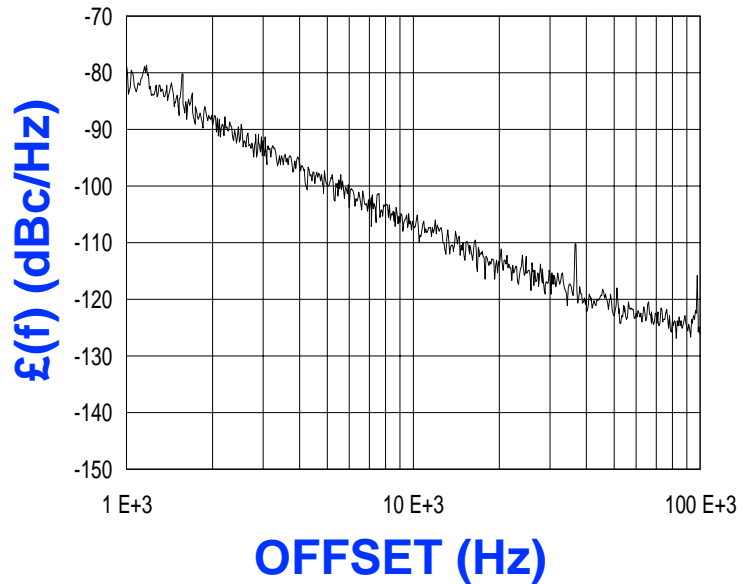




PHASE NOISE (1 Hz BW, typical)



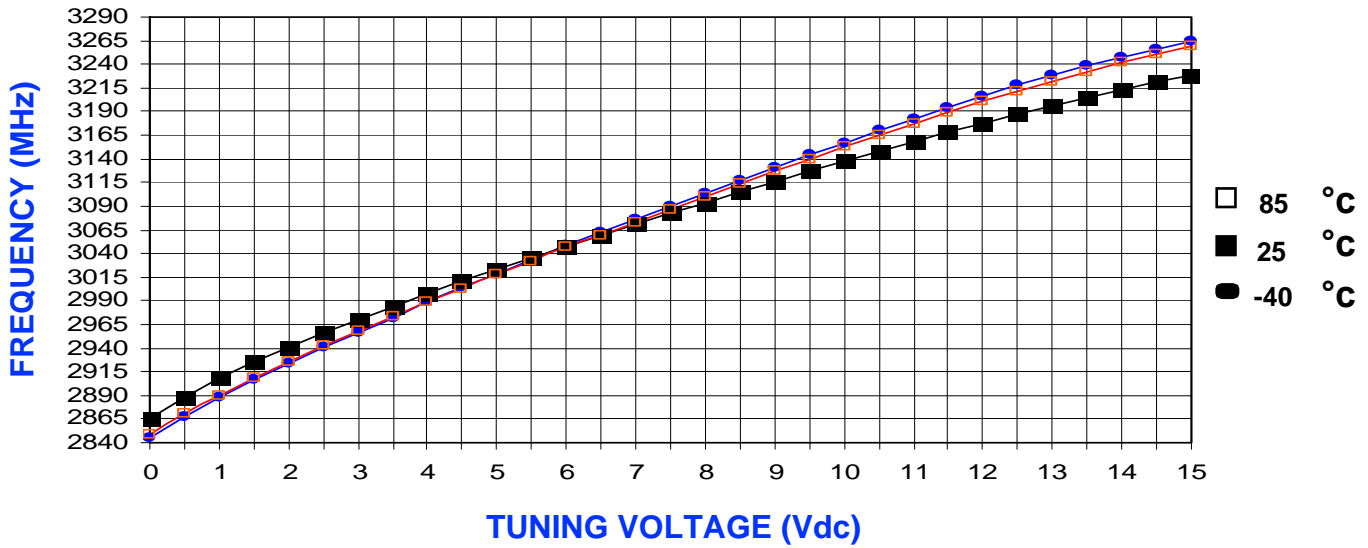
| FEATURES |
|---|
| <ul style="list-style-type: none"> • Frequency Range: 2915 - 3155 MHz • Tuning Voltage: 1-15 Vdc • MINI-16 - Style Package |
| APPLICATIONS |
| <ul style="list-style-type: none"> • Point to Point Radio • Satellite Communications • |

| PERFORMANCE SPECIFICATIONS | VALUE | UNITS |
|---|-------------|--------|
| Oscillation Frequency Range | 2915 - 3155 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -107 | dBc/Hz |
| Harmonic Suppression (2nd, typ.) | -25 | dBc |
| Tuning Voltage | 1-15 | Vdc |
| Tuning Sensitivity (avg.) | 28 | MHz/V |
| Power Output | 12±3 | dBm |
| Load Impedance | 50 | Ω |
| Input Capacitance (max.) | 50 | pF |
| Pushing | <0.5 | MHz/V |
| Pulling (14 dB Return Loss, Any Phase) | <1.5 | MHz |
| Operating Temperature Range | -40 to 85 | °C |
| Package Style | MINI-16 | |
| POWER SUPPLY REQUIREMENTS | | |
| Supply Voltage (Vcc, nom.) | 10 | Vdc |
| Supply Current (Icc, typ.) | 29 | mA |

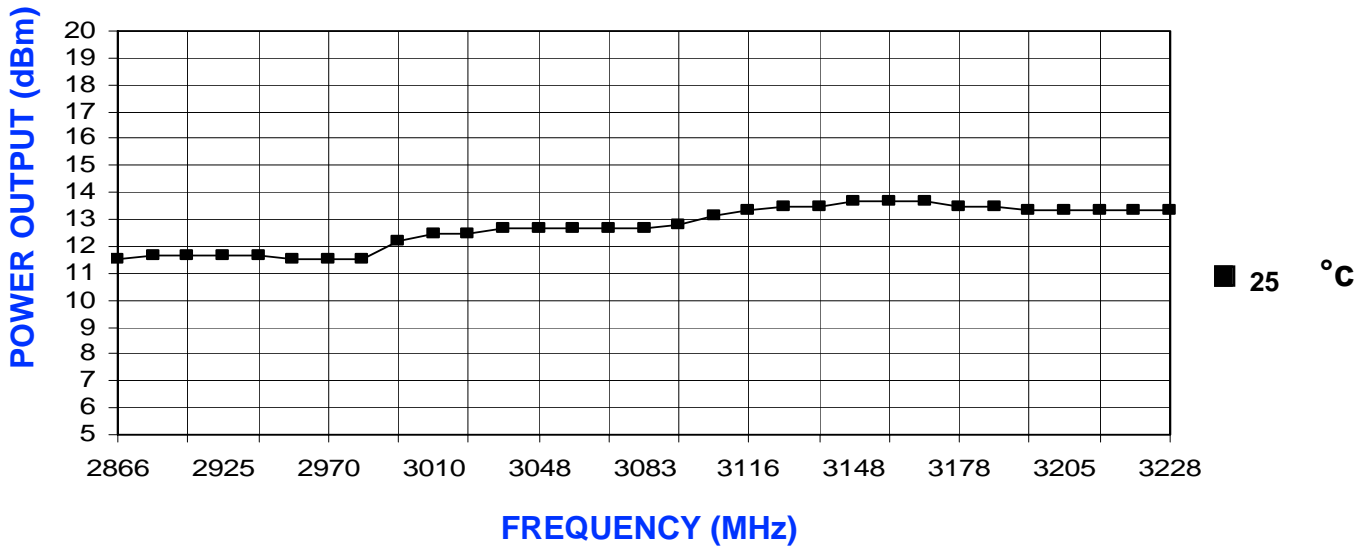
All specifications are typical unless otherwise noted and subject to change without notice.

| APPLICATION NOTES |
|---|
| <ul style="list-style-type: none"> • AN-100/1 : Mounting and Grounding of VCOs • AN-102 : Proper Output Loading of VCOs • AN-107 : How to Solder Z-COMM VCOs |
| NOTES: |

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

