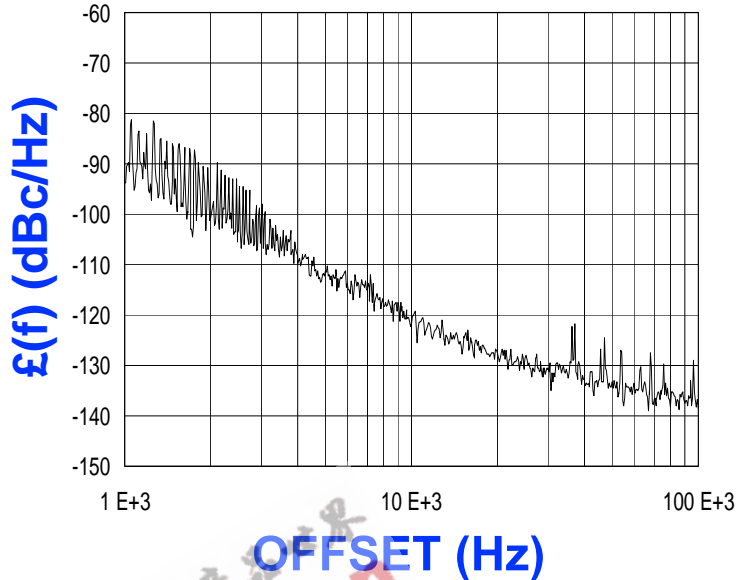




PHASE NOISE (1 Hz BW, typical)



| FEATURES |
|--|
| <ul style="list-style-type: none"> • Frequency Range: 136 - 174 MHz • Tuning Voltage: 0.5-4.5 Vdc • MINI-16 - Style Package |
| APPLICATIONS |
| <ul style="list-style-type: none"> • RF Modems • Earthstations • Test Instrumentation |

| PERFORMANCE SPECIFICATIONS | VALUE | UNITS |
|---|-----------|--------------------|
| Oscillation Frequency Range | 136 - 174 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -122 | dBc/Hz |
| Harmonic Suppression (2nd, typ.) | -17 | dBc |
| Tuning Voltage | 0.5-4.5 | Vdc |
| Tuning Sensitivity (avg.) | 14 | MHz/V |
| Power Output | 8±2 | dBm |
| Load Impedance | 50 | Ω |
| Input Capacitance (max.) | 1000 | pF |
| Pushing | <1 | MHz/V |
| Pulling (14 dB Return Loss, Any Phase) | <0.5 | MHz |
| Operating Temperature Range | 25 | $^{\circ}\text{C}$ |
| Package Style | MINI-16 | |
| POWER SUPPLY REQUIREMENTS | | |
| Supply Voltage (Vcc, nom.) | 5 | Vdc |
| Supply Current (Icc, typ.) | 17 | mA |

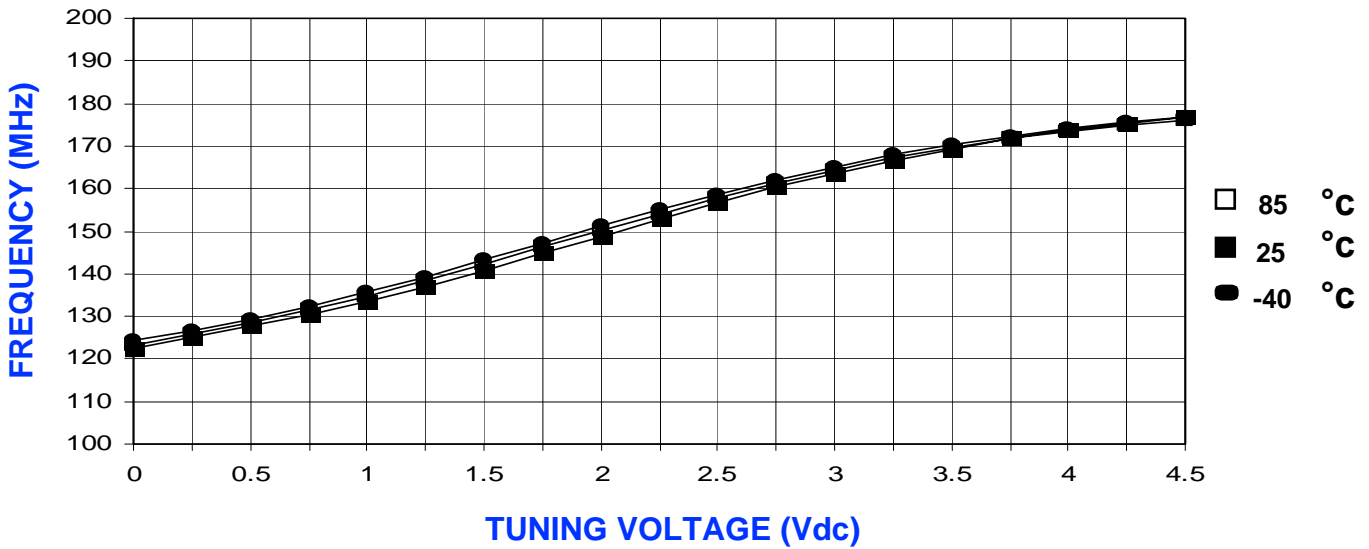
All specifications are typical unless otherwise noted and subject to change without notice.

| 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 |

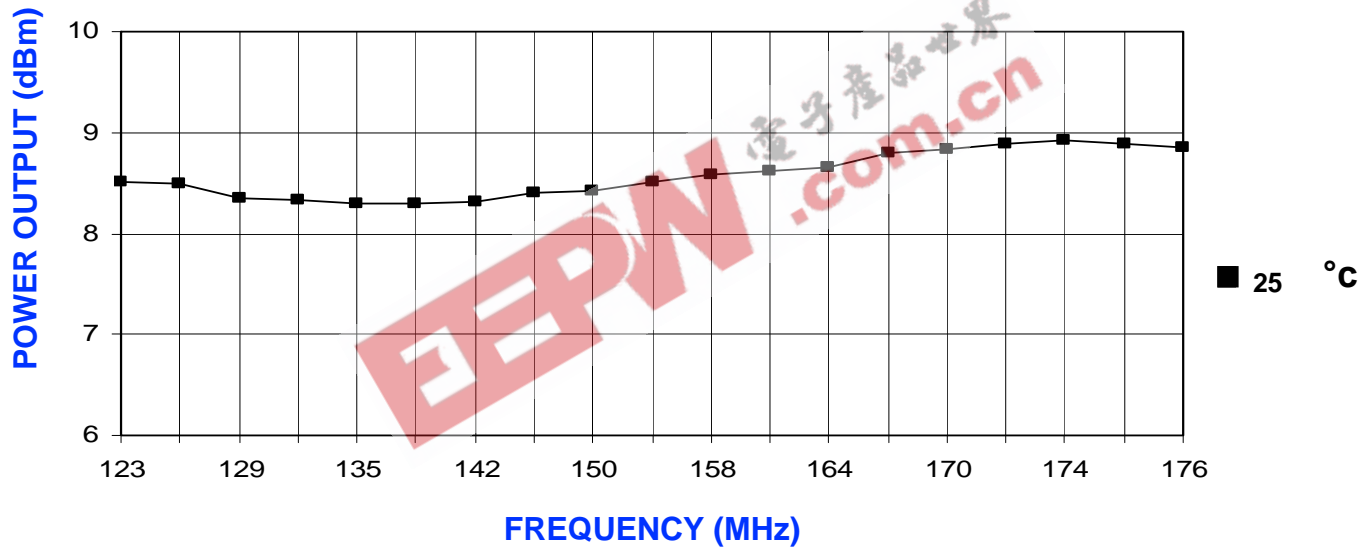
NOTES:

PCB plating is Nickel/Gold. This supercedes the statement below in Note 1 under Physical Dimentions, "... boards are solder plated...".

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

