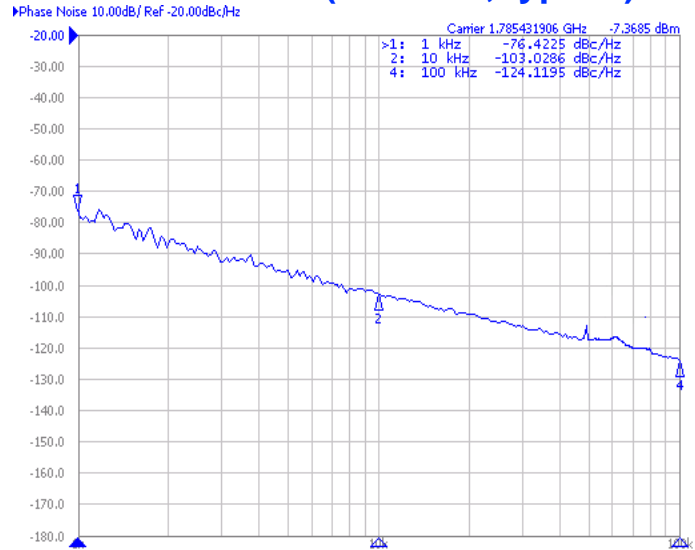


### PHASE NOISE (1 Hz BW, typical)



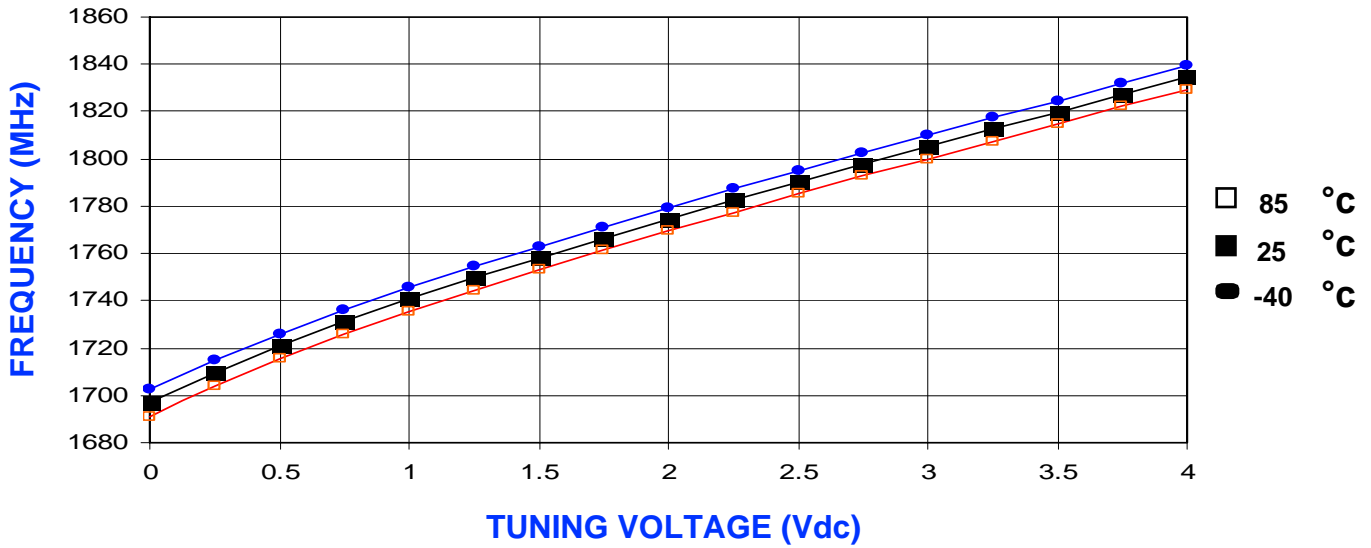
| FEATURES              |          |
|-----------------------|----------|
| • Frequency Range:    | 1755 MHz |
| • Tuning Voltage:     | 1-4 Vdc  |
| • 375 - Style Package |          |
| APPLICATIONS          |          |
| • Earthstations       |          |
| • Satellite Modems    |          |
| • PCS Basestations    |          |

| PERFORMANCE SPECIFICATIONS                  | VALUE       | UNITS  |
|---|-------------|--------|
| Oscillation Frequency Range                 | 1755 - 1816 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -102        | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -24         | dBc    |
| Tuning Voltage                              | 1-4         | Vdc    |
| Tuning Sensitivity (avg.)                   | 33          | MHz/V  |
| Power Output                                | 0.75±2.75   | dBm    |
| Load Impedance                              | 50          | Ω      |
| Input Capacitance (max.)                    | 50          | pF     |
| Pushing                                     | <1          | MHz/V  |
| Pulling (14 dB Return Loss, Any Phase)      | <3          | MHz    |
| Operating Temperature Range                 | -40 to 85   | °C     |
| Package Style                               | 375         |        |
| POWER SUPPLY REQUIREMENTS                   |             |        |
| Supply Voltage (Vcc, nom.)                  | 5           | Vdc    |
| Supply Current (Icc, typ.)                  | 18          | mA     |

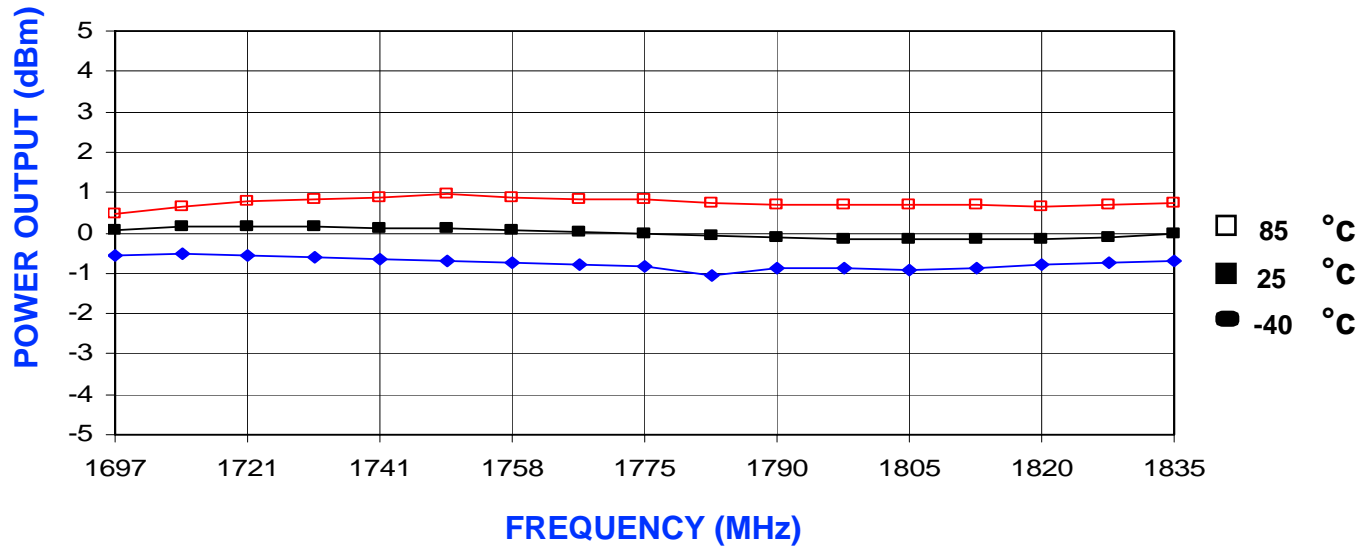
All specifications are typical unless otherwise noted and subject to change without notice.

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

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

Unknown container object