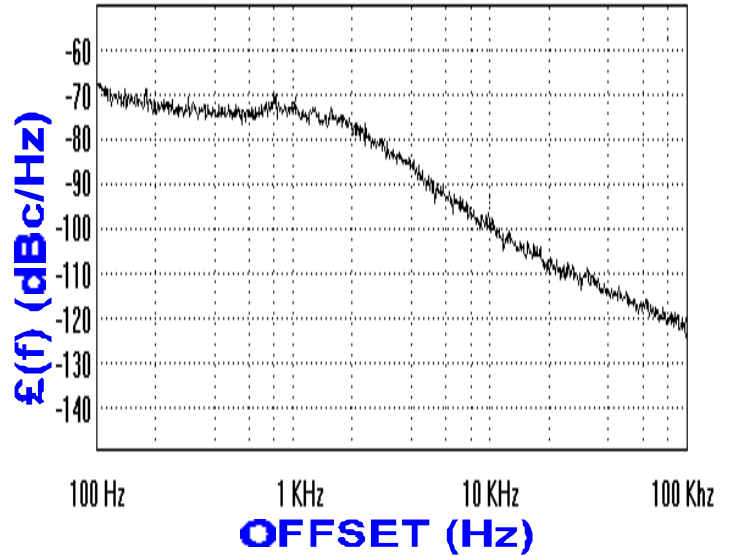




**PHASE NOISE (1 Hz BW, typical)**



| FEATURES                   |                 |
|----------------------------|-----------------|
| • Frequency Range:         | 2715 - 2717 MHz |
| • Step Size:               | 1000 KHz        |
| • PLL - Style Package      |                 |
| APPLICATIONS               |                 |
| • Basestations             |                 |
| • Mobile Radios            |                 |
| • Satellite Communications |                 |

| PERFORMANCE SPECIFICATIONS               | VALUE       | UNITS |
|--|-------------|-------|
| Frequency Range                          | 2715 - 2717 | MHz   |
| RMS Phase Error (100 Hz - 100 KHz)       | 1.25        | °     |
| Harmonic Suppression (2nd, typ.)         | -20         | dBc   |
| Sideband Spurs (typ.)                    | -80         | dBc   |
| Power Output                             | 4±2         | dBm   |
| Load Impedance                           | 50          | Ω     |
| Step Size                                | 1000        | KHz   |
| Charge Pump Output Current               | LOW         |       |
| Switching Speed (typ., adjacent channel) | 2           | mSec  |
| Startup Lock Time (typ.)                 | 5           | mSec  |
| Operating Temperature Range              | -40 to +85  | °C    |
| Package Style                            | PLL         |       |
| POWER SUPPLY REQUIREMENTS                |             |       |
| Supply Voltage (Vcc, nom.)               | 5           | Vdc   |
| Supply Current (Icc, typ.)               | 30          | mA    |

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

| APPLICATION NOTES   |
|---|
| <ul style="list-style-type: none"> <li>• AN-107 : How to Solder Z-COMM VCOs / PLLs</li> <li>• AN-200 : Mounting and Grounding of Z-COMM PLLs</li> <li>• AN-201 : PLL Fundamentals      AN-202 : PLL Functional Description</li> </ul> |

**NOTES:**

Reference Oscillator Signal: 5 MHz <math>f\_{osc}</math> <math>< 40</math> MHz

