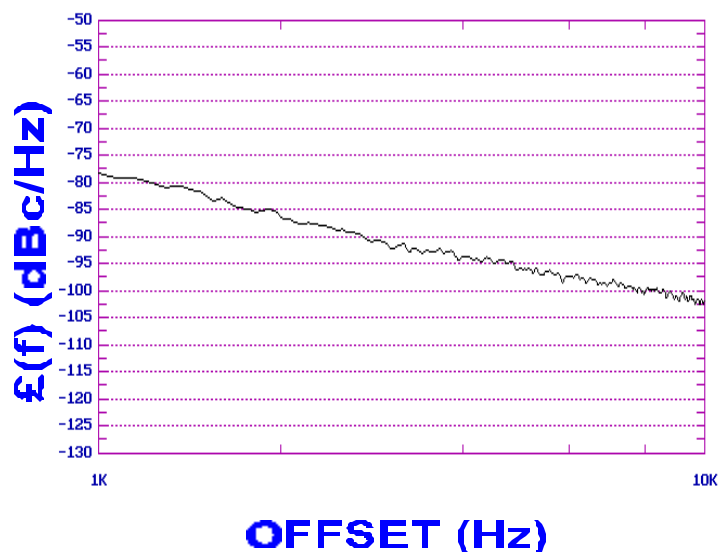




PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 120 - 150 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- SUB-L - Style Package

APPLICATIONS

- Portable Radios
- Basestations
- Test Instruments

PERFORMANCE SPECIFICATIONS

VALUE

UNITS

Oscillation Frequency Range

120 - 150

MHz

Phase Noise @ 10 kHz offset (1 Hz BW, typ.)

-101

dBc/Hz

Harmonic Suppression (2nd, typ.)

-11

dBc

Tuning Voltage

0.5-4.5

Vdc

Tuning Sensitivity (avg.)

12

MHz/V

Power Output

3±3

dBm

Load Impedance

50

Ω

Input Capacitance (max.)

50

pF

Pushing

<2

MHz/V

Pulling (14 dB Return Loss, Any Phase)

<2

MHz

Operating Temperature Range

-30 to 85

°C

Package Style

SUB-L

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)

5

Vdc

Supply Current (Icc, typ.)

20

mA

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

APPLICATION NOTES

- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

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