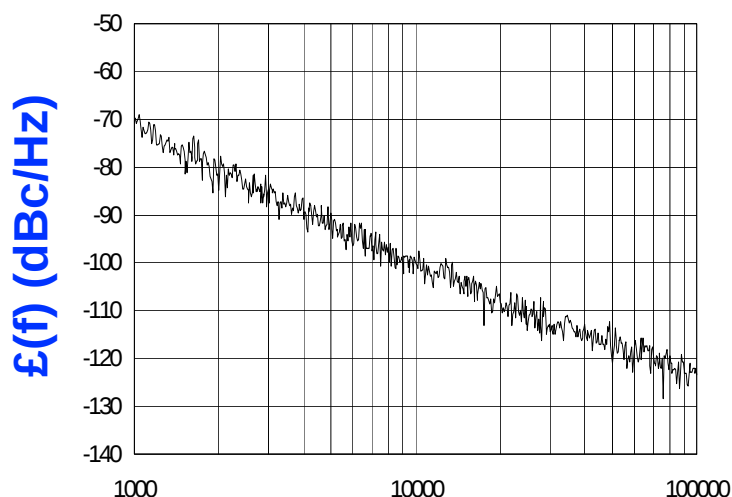




PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1400 - 2250 MHz
- Tuning Voltage: 0.5-14.5 Vdc
- MINI-14S-L - Style Package

APPLICATIONS

- Test Instrumentation
- Earthstations
- Downconvertors

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	1400 - 2250	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-97	dBc/Hz
Harmonic Suppression (2nd, typ.)	-5	dBc
Tuning Voltage	0.5-14.5	Vdc
Tuning Sensitivity (avg.)	81	MHz/V
Power Output	9.5±3.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<4	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<13	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S-L	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	11.5	Vdc
Supply Current (Icc, typ.)	24	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:

FREQUENCY (MHZ)



POWER OUTPUT (dBm)



TOLERANCES
.XXX = ± .010

P1=VT
P2=RF OUT
P3=VCC

-.005
.130
.034
.000
.465
.070 TYP
150 TYP