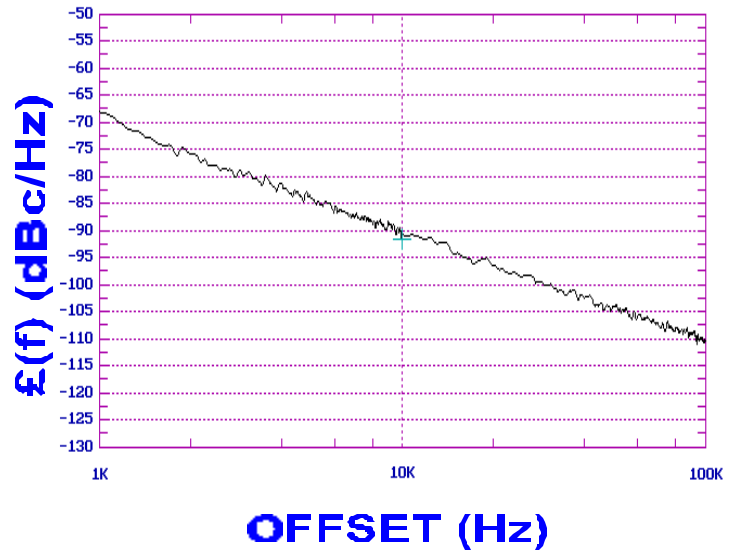


PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1540- 1600MHz
- Tuning Voltage: 0.5-2.5 Vdc
- SUB-L - Style Package

APPLICATIONS

- PCS Handhelds
- Portable Receivers
- Mobile Radios

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	1540- 1600	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-90	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Tuning Voltage	0.5-2.5	Vdc
Tuning Sensitivity (avg.)	128	MHz/V
Power Output	-0.5±3.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<10	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<10	MHz
Operating Temperature Range	-40 to 85	$^{\circ}$ C
Package Style	SUB-L	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	2.7	Vdc
Supply Current (Icc, typ.)	9	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:

