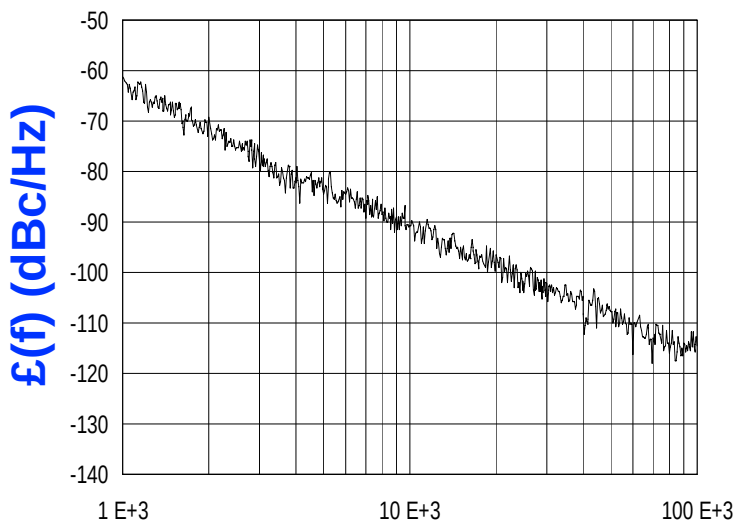


PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 3415 - 3420 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- SUB-L - Style Package

APPLICATIONS

- Personal Communications Systems
- WLAN
- Portable Radios

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	3415 - 3420	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-89	dBc/Hz
Harmonic Suppression (2nd, typ.)	-20	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	45	MHz/V
Power Output	5±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<8	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<10	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	SUB-L	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	21	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)



P1= VT
P2= RF OUT
P3= VCE