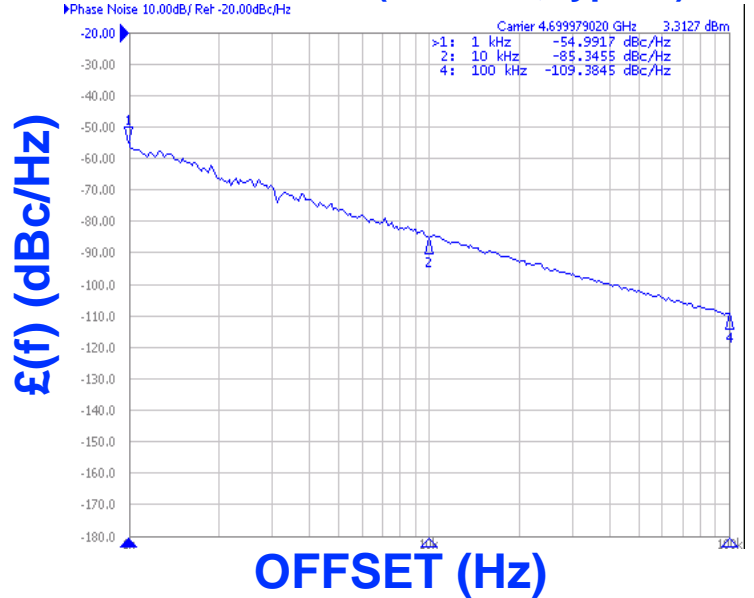




**PHASE NOISE (1 Hz BW, typical)**



FEATURES
• Frequency Range: 4400 - 5000 MHz
• Tuning Voltage: 1 - 9 Vdc
• MINI-16 - Style Package
APPLICATIONS
• Microwave Radios
• Satellite Communications
•

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	4400 - 5000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-85	dBc/Hz
Harmonic Suppression (2nd, typ.)	-20	dBc
Tuning Voltage	1 - 9	Vdc
Tuning Sensitivity (avg.)	130	MHz/V
Power Output	9±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	10	pF
Pushing	<10	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<19	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-16	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	10	Vdc
Supply Current (Icc, typ.)	23	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:**

Phase Noise @ 1 kHz offset (1 Hz BW, max.): -82dBc/Hz

