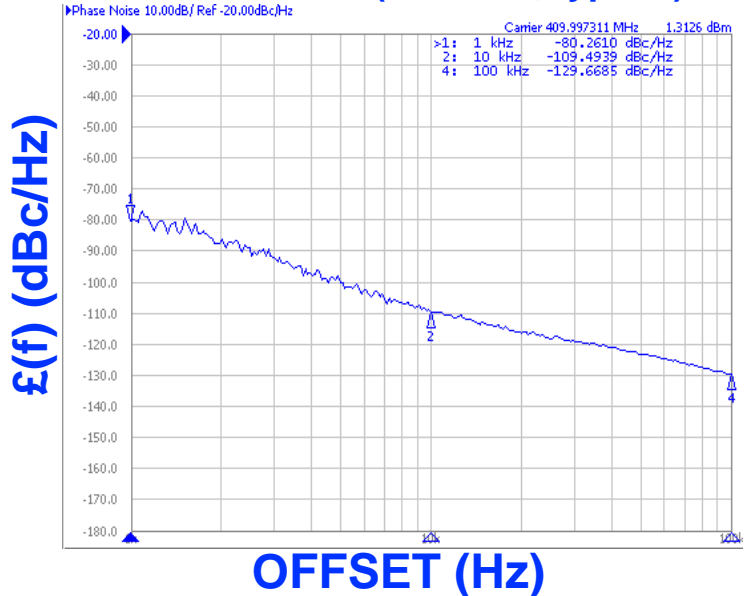




PHASE NOISE (1 Hz BW, typical)



FEATURES	
• Frequency Range:	360 - 410 MHz
• Tuning Voltage:	0.5-5 Vdc
• MINI-14S - Style Package	
APPLICATIONS	
• Satellite Modems	
• Mobile Radios	
• Earthstations	

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	360 - 410	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-107	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Tuning Voltage	0.5-5	Vdc
Tuning Sensitivity (avg.)	29	MHz/V
Power Output	7.25±2.75	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	250	pF
Pushing	<3	MHz/V
Pulling (14dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S	

POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	22	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:

