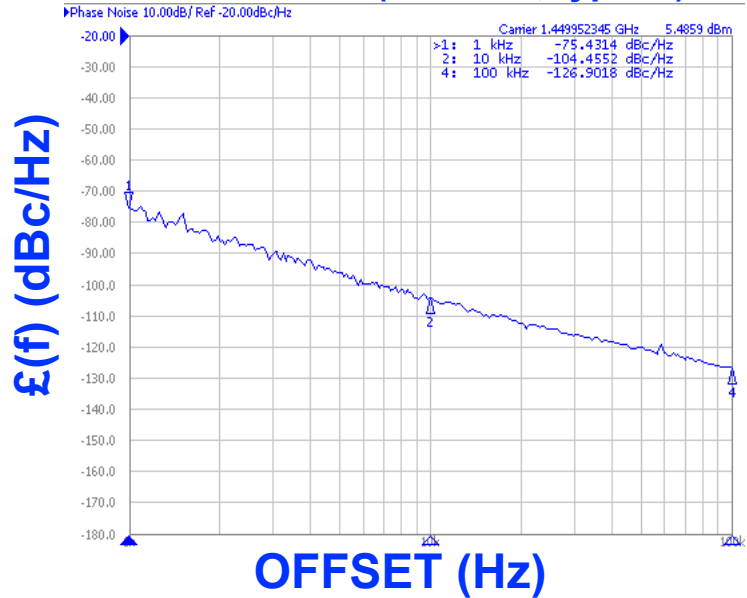


**PHASE NOISE (1 Hz BW, typical)**



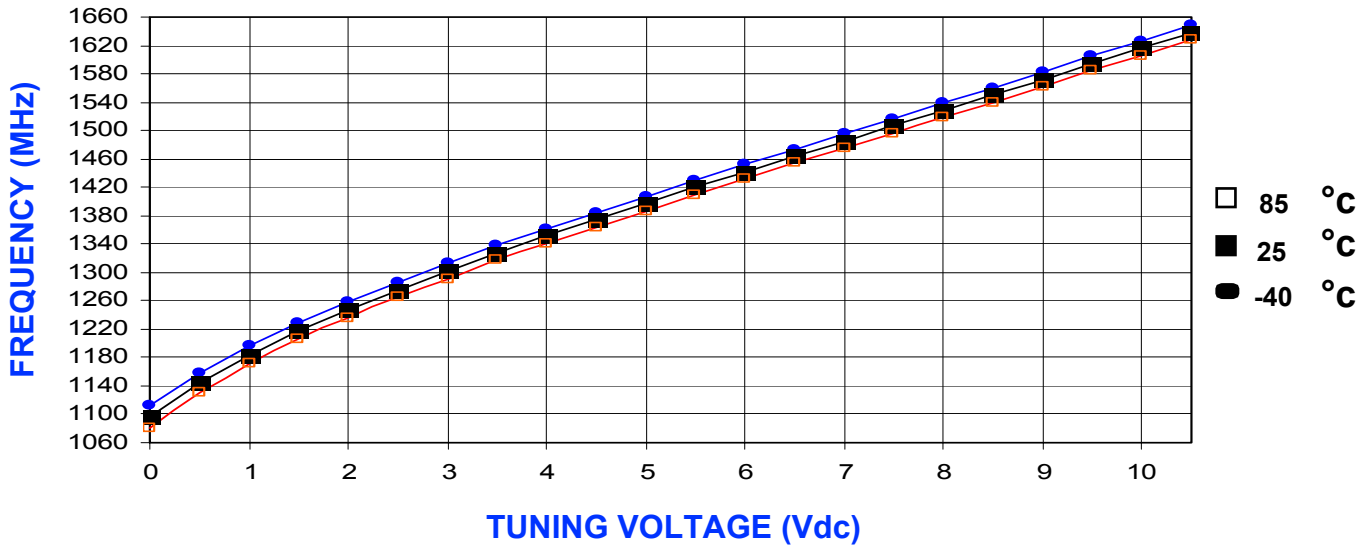
FEATURES
<ul style="list-style-type: none"> <li>• Frequency Range: 1305 - 1595 MHz</li> <li>• Tuning Voltage: 1.5-10.5 Vdc</li> <li>• MINI-14S - Style Package</li> </ul>
APPLICATIONS
<ul style="list-style-type: none"> <li>• Satellite Communications</li> <li>• Earthstations</li> <li>• Spread Spectrum Radios</li> </ul>

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1305 - 1595	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-104	dBc/Hz
Harmonic Suppression (2nd, typ.)	-8	dBc
Tuning Voltage	1.5-10.5	Vdc
Tuning Sensitivity (avg.)	45	MHz/V
Power Output	10±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<3	MHz/V
Pulling ( 14dB Return Loss, Any Phase)	<8	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	12	Vdc
Supply Current (Icc, typ.)	31	mA

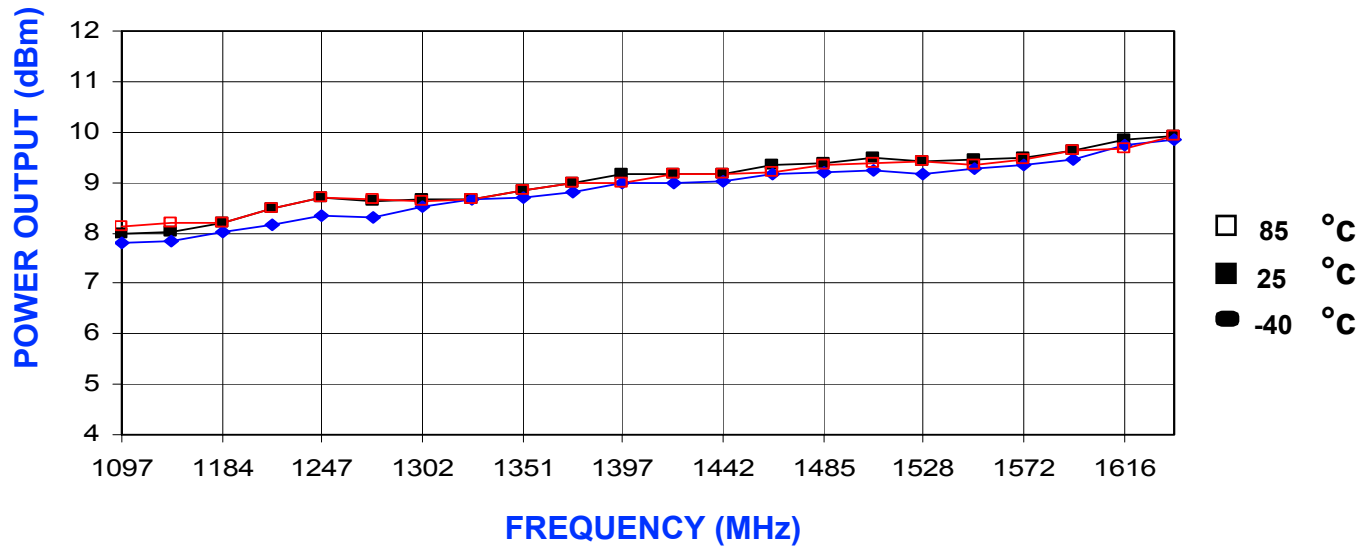
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES
<ul style="list-style-type: none"> <li>• AN-100/1 : Mounting and Grounding of VCOs</li> <li>• AN-102 : Proper Output Loading of VCOs</li> <li>• AN-107 : How to Solder Z-COMM VCOs</li> </ul>
<b>NOTES:</b>

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

