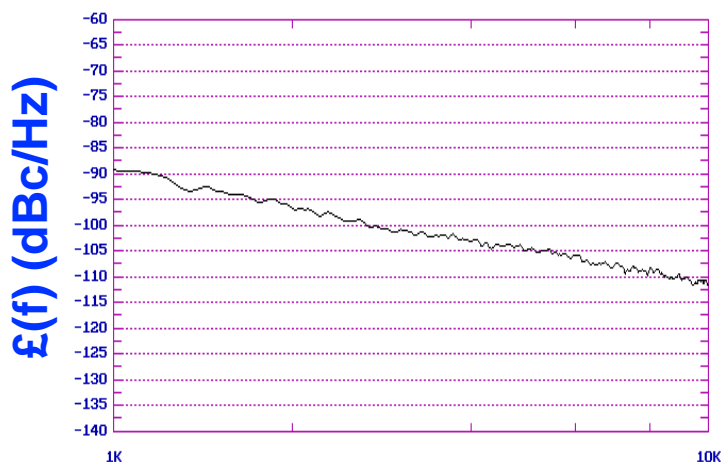




### PHASE NOISE (1 Hz BW, typical)



FEATURES
<ul style="list-style-type: none"> <li>Frequency Range: 680 - 720 MHz</li> <li>Tuning Voltage: 0.5-4.5 Vdc</li> <li>MINI-14S-L - Style Package</li> </ul>
APPLICATIONS
<ul style="list-style-type: none"> <li>VSAT Modems</li> <li>Basestation</li> <li>Digital Radios</li> </ul>

### OFFSET (Hz)

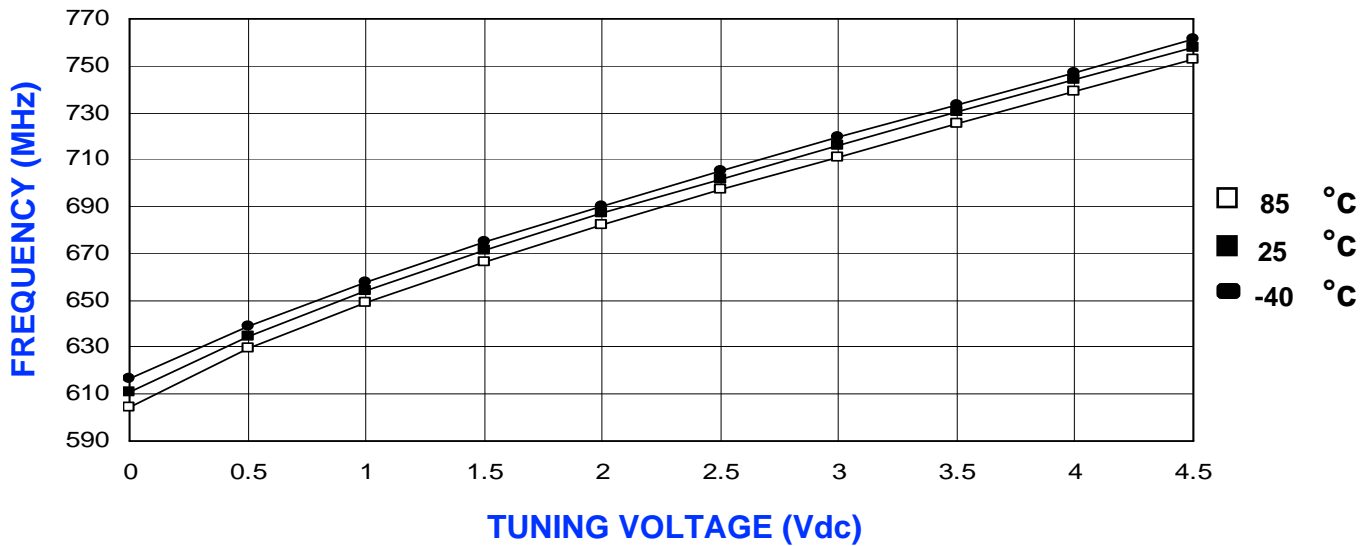
PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	680 - 720	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-110	dBc/Hz
Harmonic Suppression (2nd, typ.)	-10	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	29	MHz/V
Power Output	2.25±2.25	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<1	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S-L	

POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	19	mA

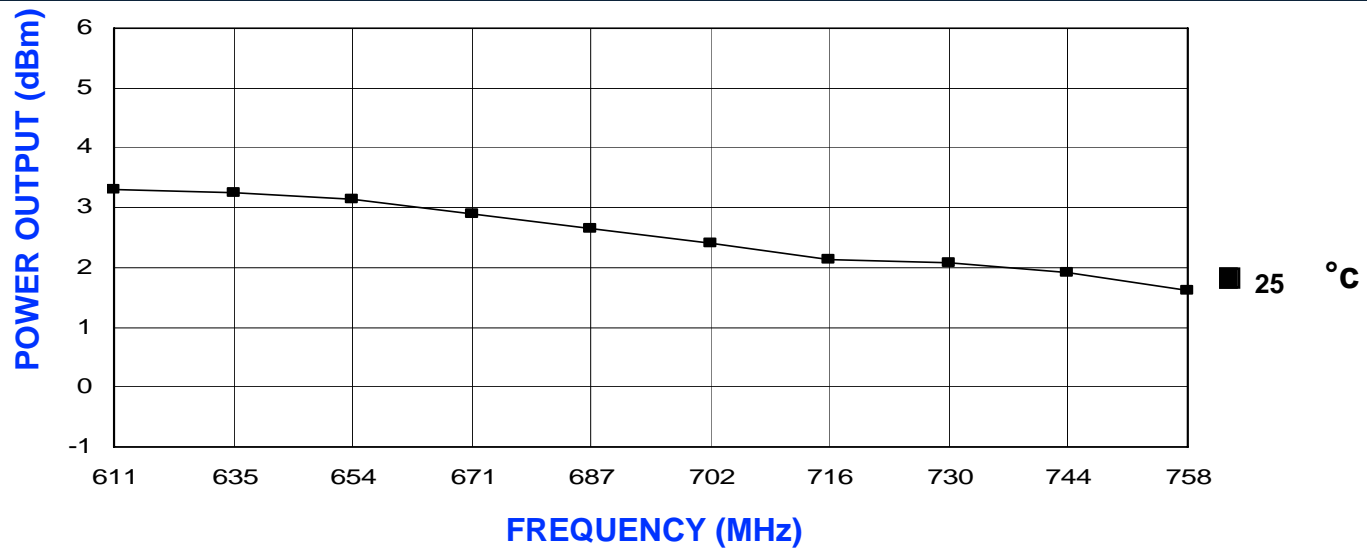
All specifications are typical unless otherwise noted and subject to change without notice.

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**

