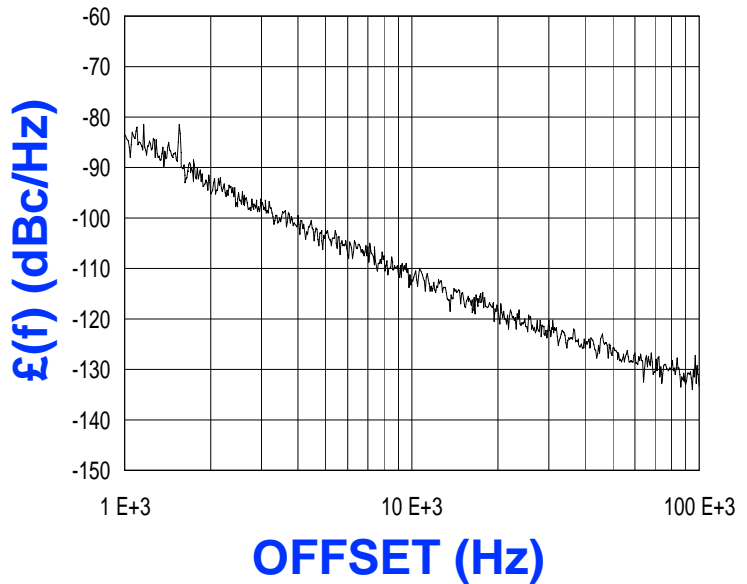




PHASE NOISE (1 Hz BW, typical)



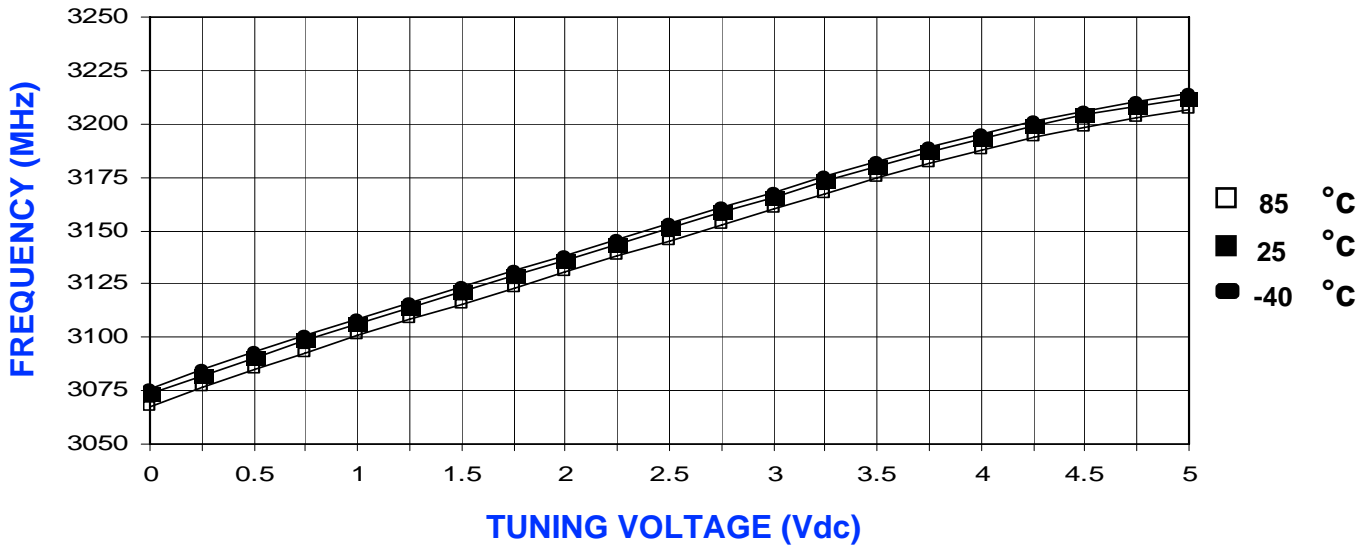
FEATURES
<ul style="list-style-type: none"> • Frequency Range: 3125 - 3175 MHz • Tuning Voltage: 0.5-4.5 Vdc • MINI-16 - Style Package
APPLICATIONS
<ul style="list-style-type: none"> • Digital Radio Equipment • Fixed Wireless Access • Satellite Communication Systems

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	3125 - 3175	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-111	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	28	MHz/V
Power Output	4.5±2.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	$^{\circ}$ C
Package Style	MINI-16	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	17	mA

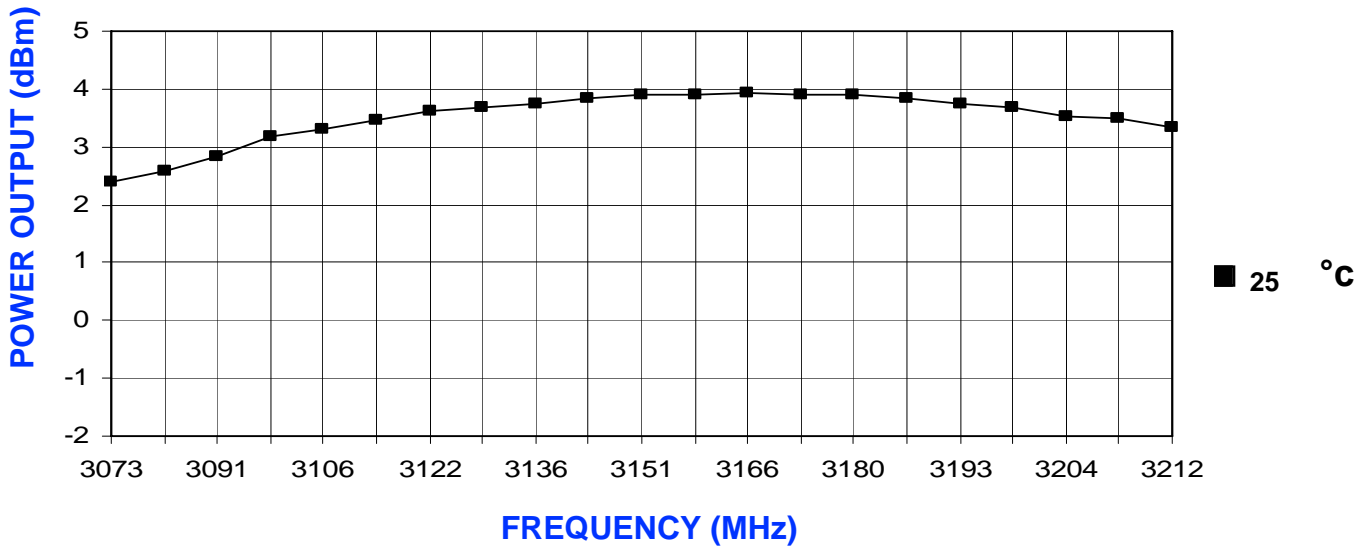
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES
<ul style="list-style-type: none"> • AN-100/1 : Mounting and Grounding of VCOs • AN-102 : Proper Output Loading of VCOs • AN-107 : How to Solder Z-COMM VCOs
<p>NOTES: Absolute Maximum Ratings: Vcc: 12 V; Vtune: 10 V; Solder Temperature: 260 C. Storage Temperature: -50 to 150 C.</p>

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

