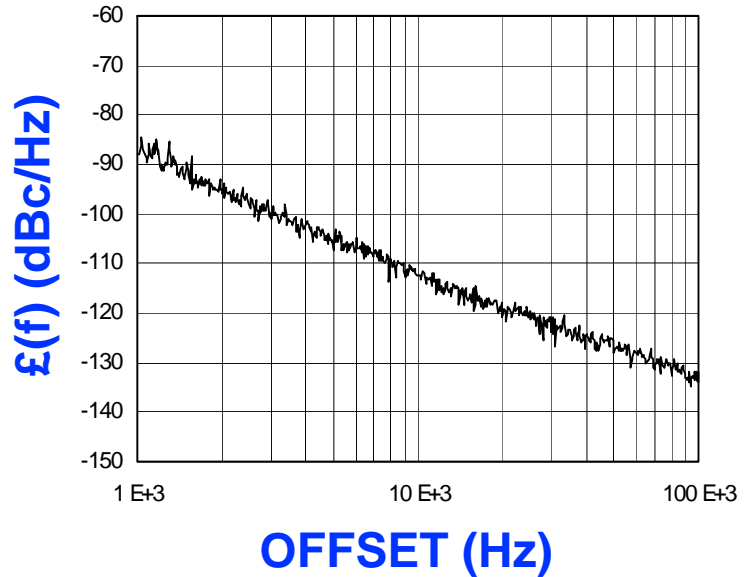




PHASE NOISE (1 Hz BW, typical)



FEATURES	
• Frequency Range:	560 - 590 MHz
• Tuning Voltage:	1-4 Vdc
• MINI-14S-UL - Style Package	
APPLICATIONS	
• Wireless Radios	
• Basestations	
• Mobile Communications	

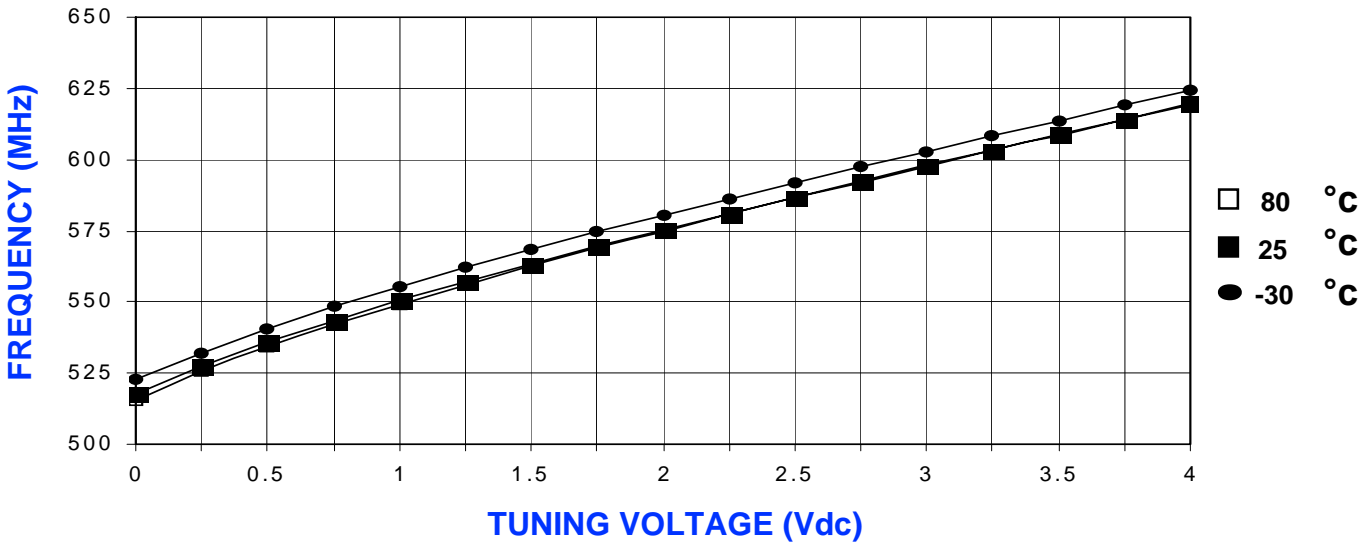
PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	560 - 590	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-112	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Tuning Voltage	1-4	Vdc
Tuning Sensitivity (avg.)	23	MHz/V
Power Output	2±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	150	pF
Pushing	<1	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-30 to 80	°C
Package Style	MINI-14S-UL	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	23	mA

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

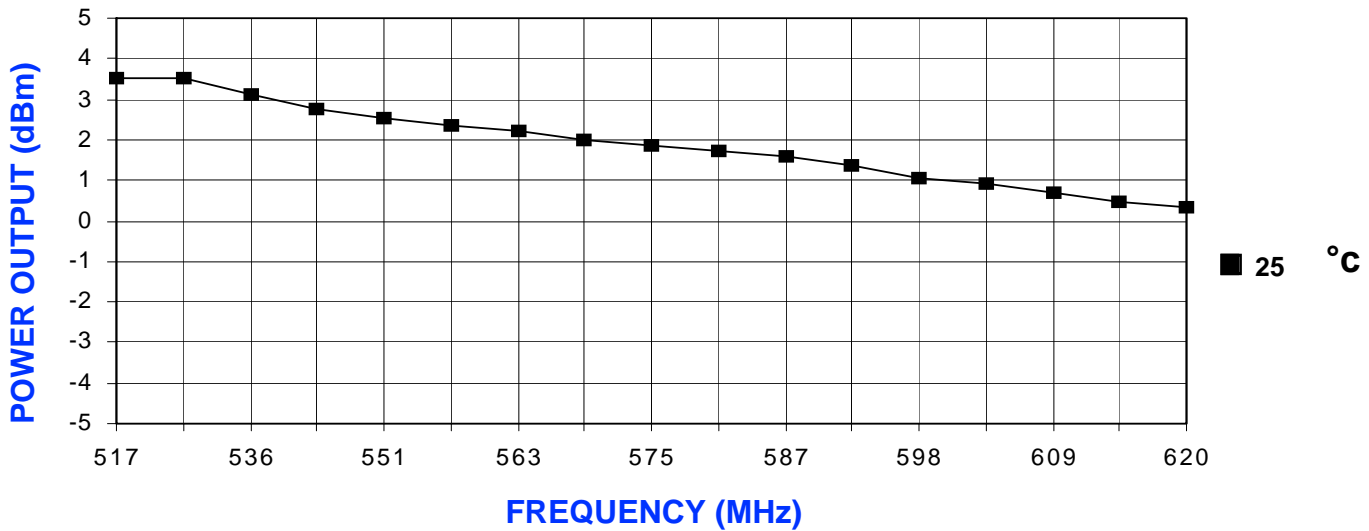
APPLICATION NOTES
• AN-100/1 : Mounting and Grounding of VCOs
• AN-102 : Proper Output Loading of VCOs
• AN-107 : How to Solder Z-COMM VCOs

NOTES:
 Phase Noise @ 100 kHz offset (1 Hz BW, max.): -130 dBc/Hz

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

