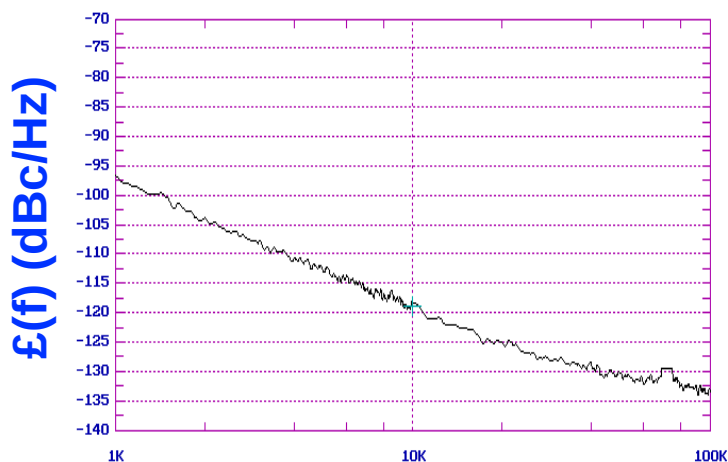




PHASE NOISE (1 Hz BW, typical)



OFFSET (Hz)

FEATURES		
• Frequency Range:	45 - 77	MHz
• Tuning Voltage:	1-10	Vdc
• MINI-14S - Style Package		
APPLICATIONS		
• RF Modems		
• Test Instrumentation		
• Earthstations		

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	45 - 77	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-116	dBc/Hz
Harmonic Suppression (2nd, typ.)	-4	dBc
Tuning Voltage	1-10	Vdc
Tuning Sensitivity (avg.)	4	MHz/V
Power Output	5.5±4	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	500	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	

POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	21	mA

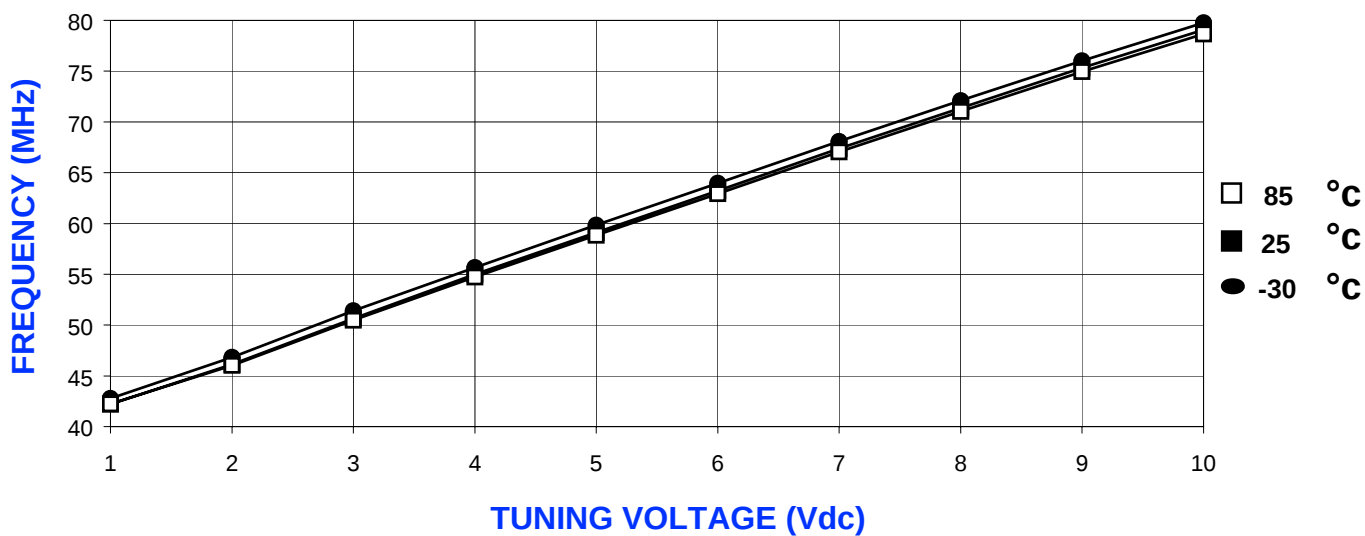
All specifications are typical unless otherwise noted and subject to change without notice.

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	

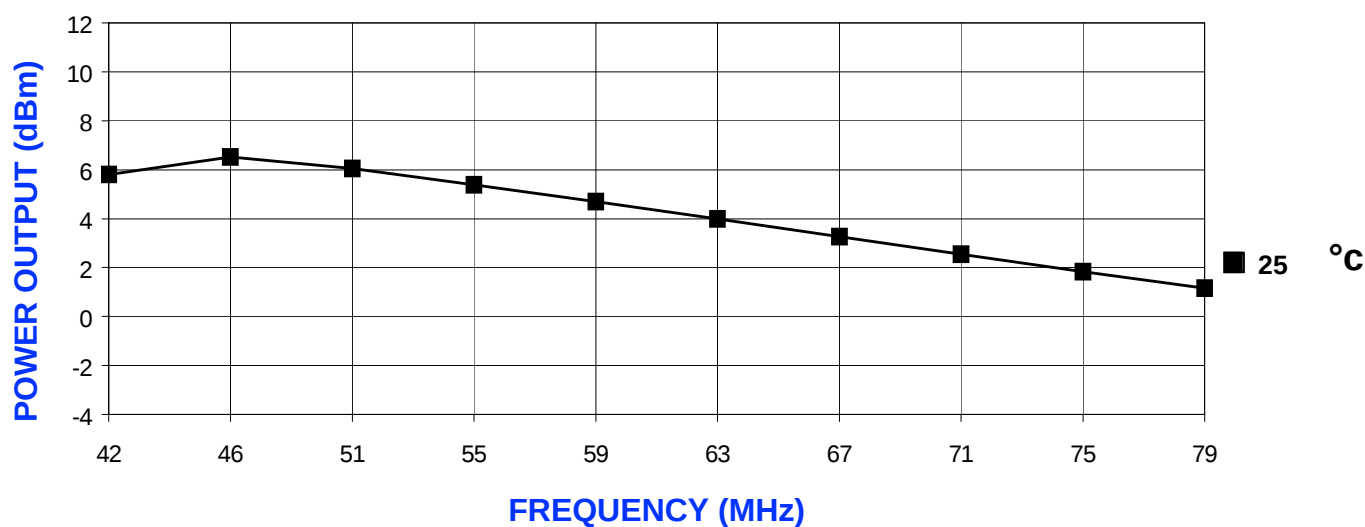
NOTES:

This VCO is not guaranteed to oscillate when the tuning voltage is below 1 volt.

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

