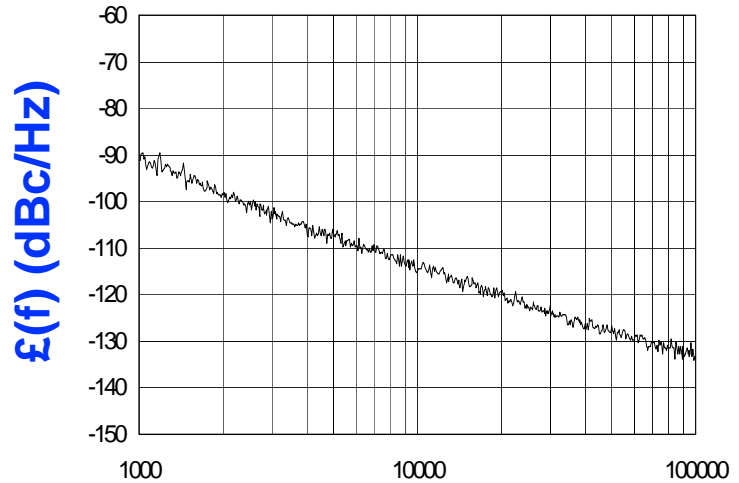


**PHASE NOISE (1 Hz BW, typical)**



FEATURES	
• Frequency Range:	118 - 160 MHz
• Tuning Voltage:	1-16 Vdc
• MINI-16-L - Style Package	

APPLICATIONS	
• RF Modems	
• Earthstations	
• Test Instrumentation	

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	118 - 160	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-115	dBc/Hz
Harmonic Suppression (2nd, typ.)	-8	dBc
Tuning Voltage	1-16	Vdc
Tuning Sensitivity (avg.)	5	MHz/V
Power Output	0±3	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	-35 to 85	°C
Package Style	MINI-16-L	

POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	8	mA

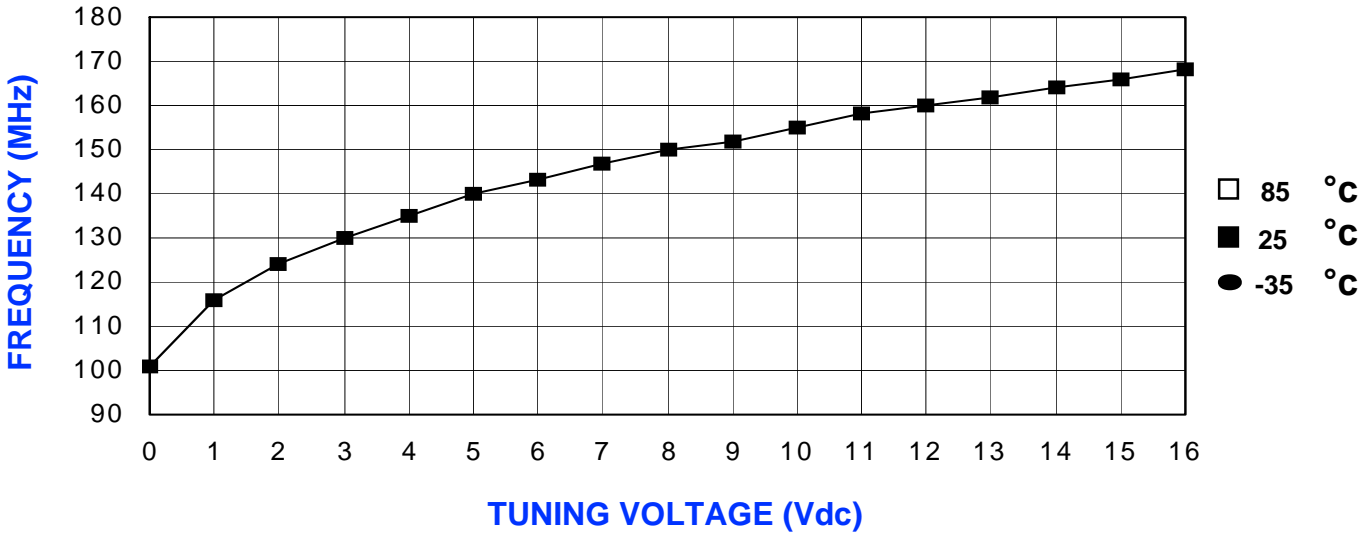
All specifications are typical unless otherwise noted and subject to change without notice.

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	

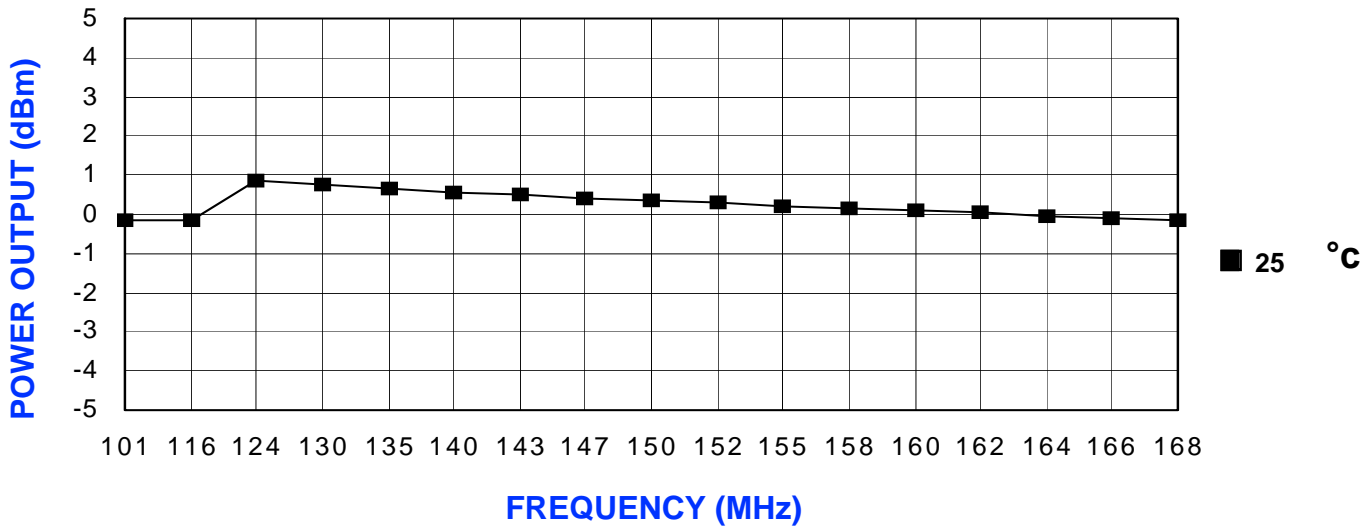
**NOTES:**

PCB plating is Nickel/Gold. This supercedes the statement below in Note 1 under Physical Dimentions, "... boards are solder plated...".

**TUNING CURVE, typ.**



**POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

