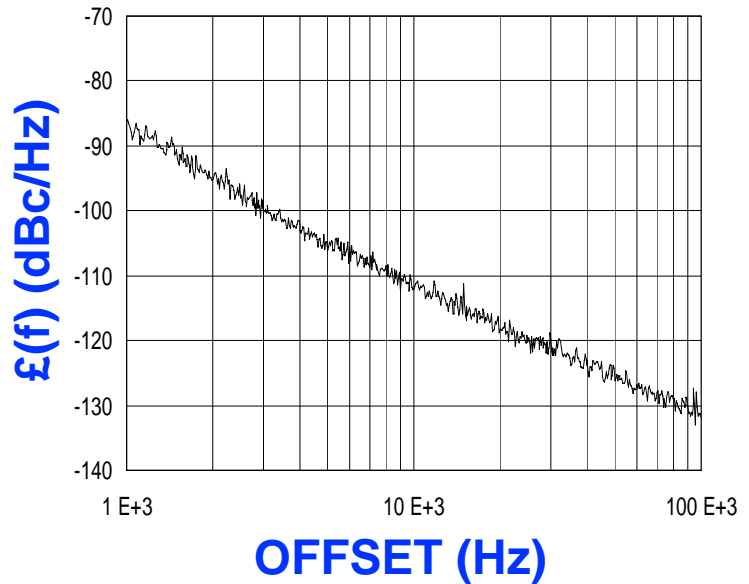


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**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 139 - 159 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-16M- - Style Package

**APPLICATIONS**

- Mobitex Radios
- RF Modems
- Satellite Communications

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	139 - 159	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-112	dBc/Hz
Harmonic Suppression (2nd, typ.)	-7	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	12	MHz/V
Power Output	0.5±2.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	150	pF
Pushing	<0.5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<0.5	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-16M-LOW	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	15	mA

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

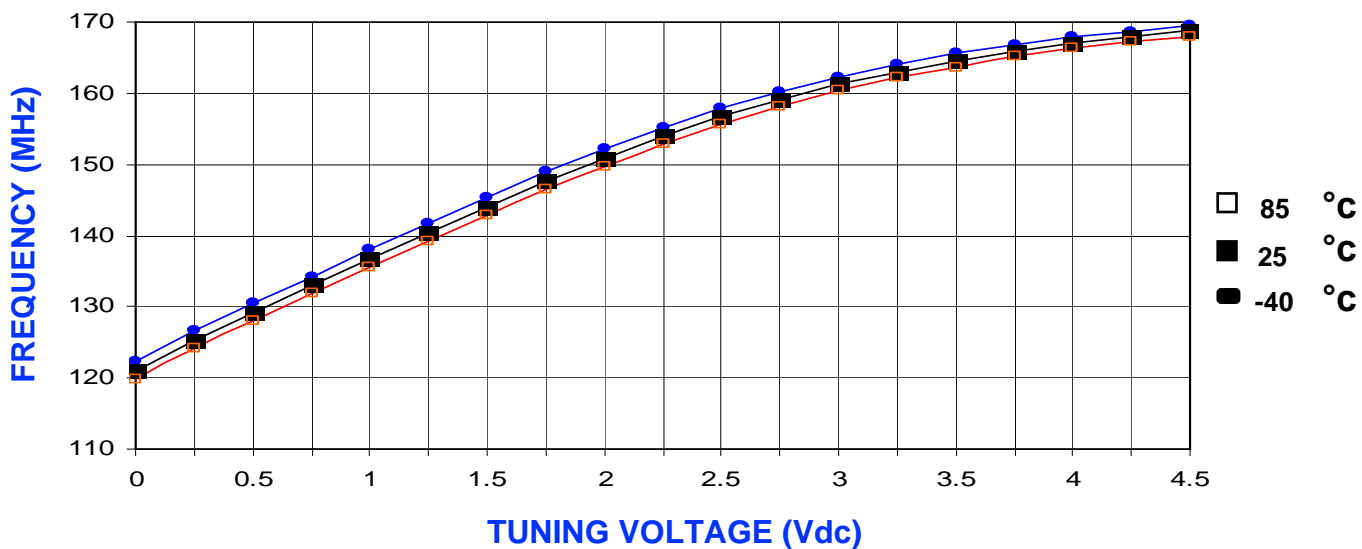
**APPLICATION NOTES**

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

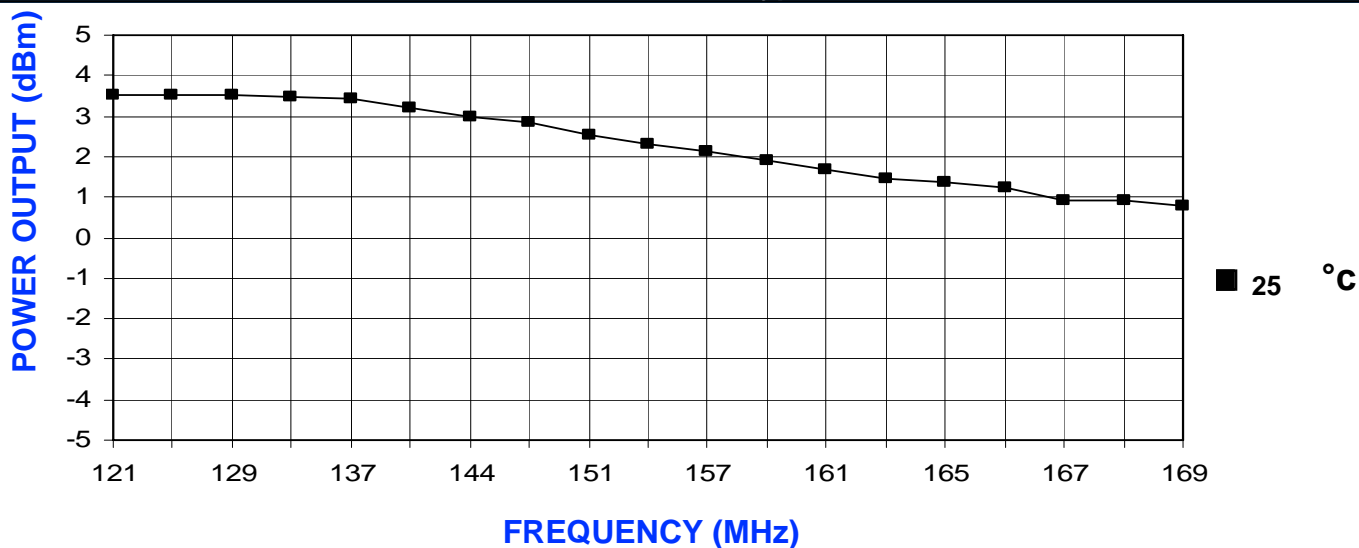
**NOTES:**

MODULATION SENSITIVITY (avg.): 3.89 kHz/V

**TUNING CURVE, typ.**



**POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

