Z-Communications, Inc.
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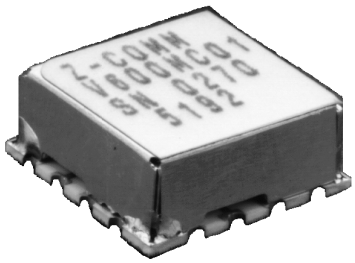
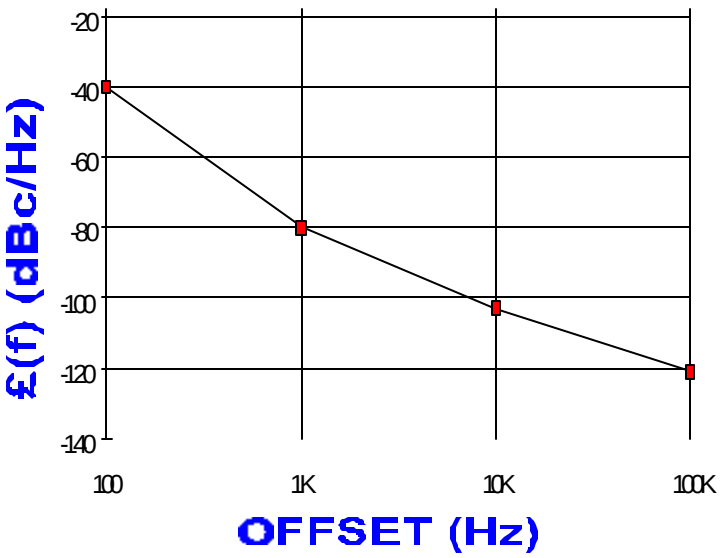
V581ME01

VOLTAGE CONTROLLED OSCILLATOR

Rev B2



PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 951 - 977 MHz
- Tuning Voltage: 0-5 Vdc
- MINI-16 - Style Package

APPLICATIONS

- Basestations
- Portable Radios
- RF Modems

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	951 - 977	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-103	dBc/Hz
Harmonic Suppression (2nd, typ.)	-5	dBc
Tuning Voltage	0-5	Vdc
Tuning Sensitivity (avg.)	19	MHz/V
Power Output	7±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<10	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-16	
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:

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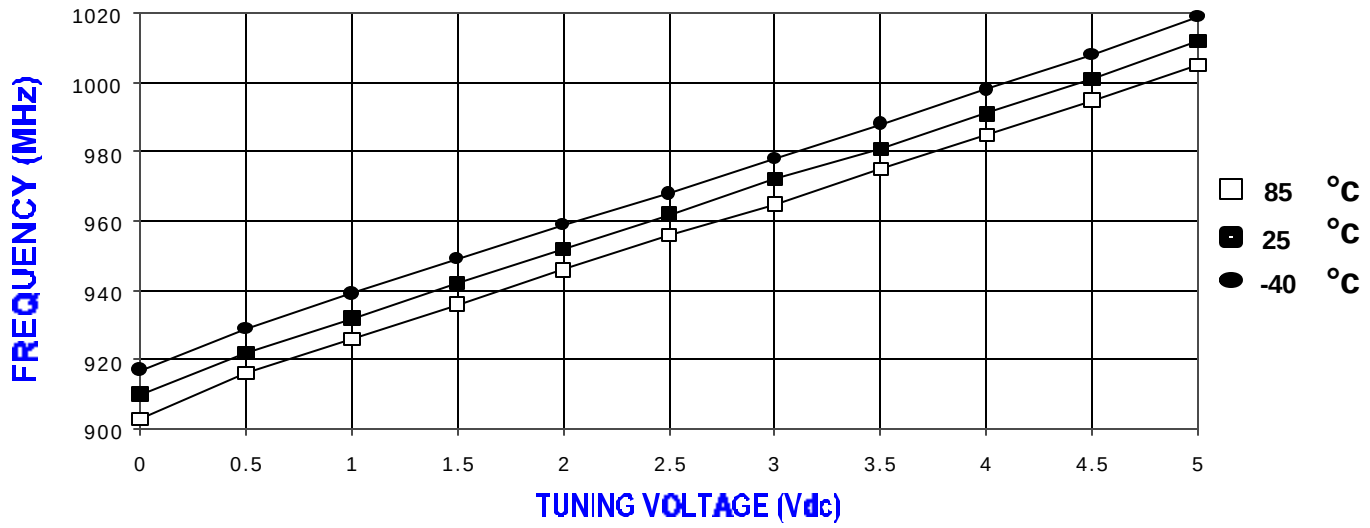
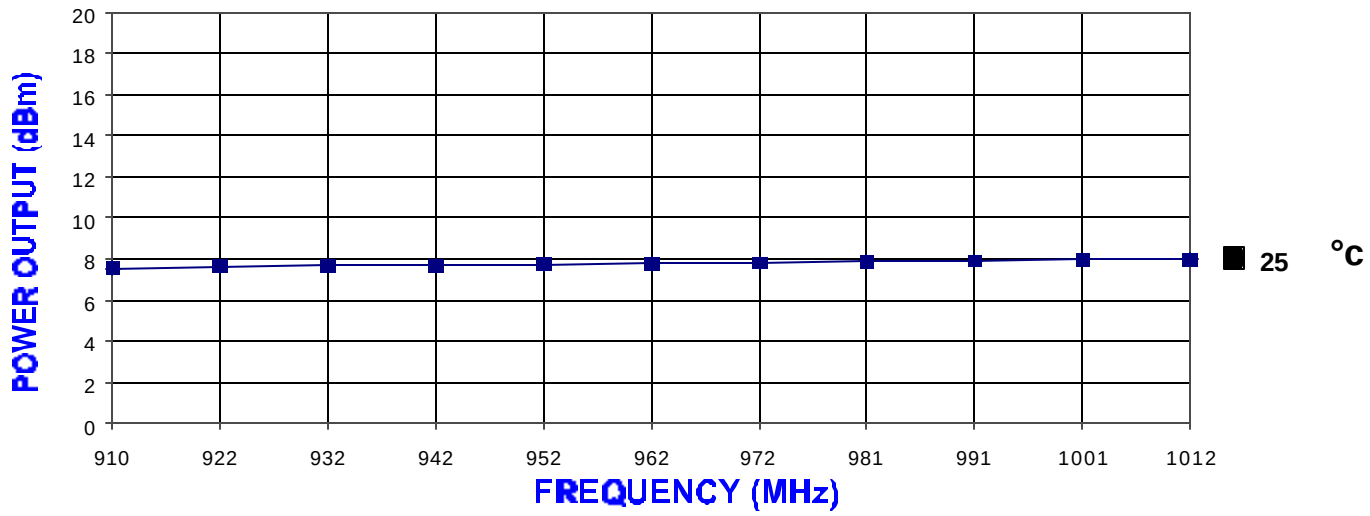
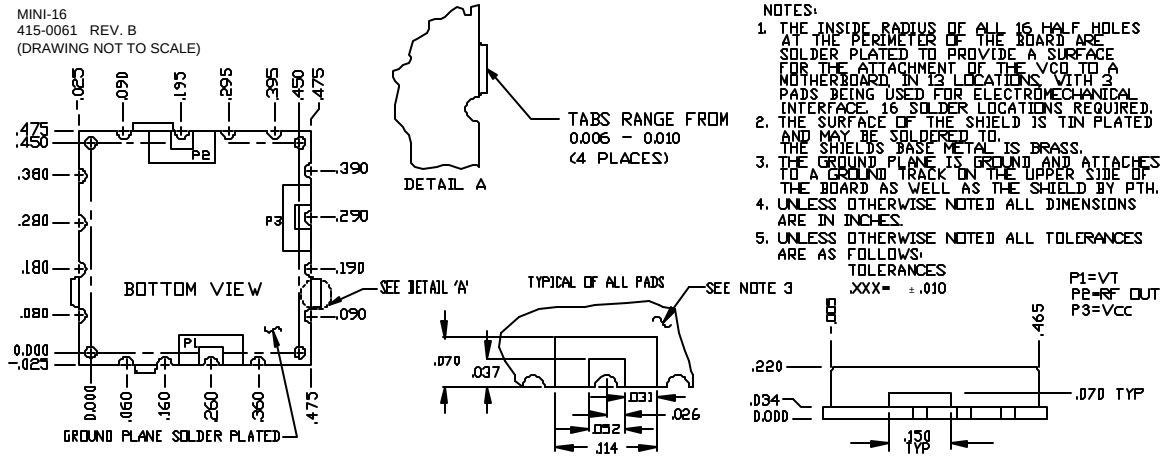
TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS