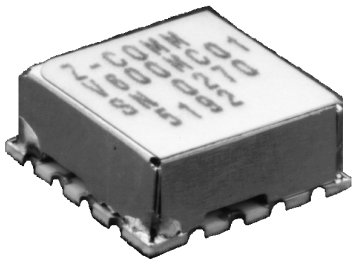
Z-Communications, Inc.
9939 Via Pasar • San Diego, CA 92126
TEL (619) 621-2700 FAX (619) 621-2722

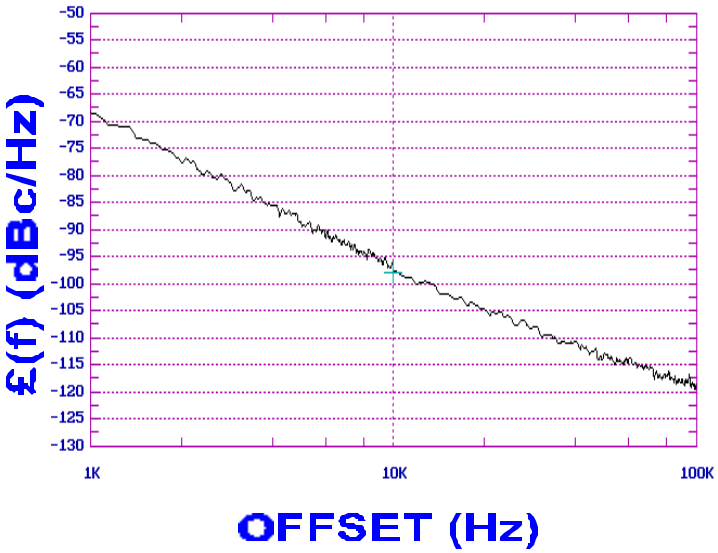
V610ME03

VOLTAGE CONTROLLED OSCILLATOR

Rev A1



PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1900 - 2140 MHz
- Tuning Voltage: 1-8 Vdc
- MINI-14H - Style Package

APPLICATIONS

- Satellite Communications
- Basestations
- Mobile Radios

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1900 - 2140	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-97	dBc/Hz
Harmonic Suppression (2nd, typ.)	-8	dBc
Tuning Voltage	1-8	Vdc
Tuning Sensitivity (avg.)	60	MHz/V
Power Output	10±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<10	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<20	MHz
Operating Temperature Range	-40 to 75	°C
Package Style	MINI-14H	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	9	Vdc
Supply Current (Icc, typ.)	31	mA

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

APPLICATION NOTES

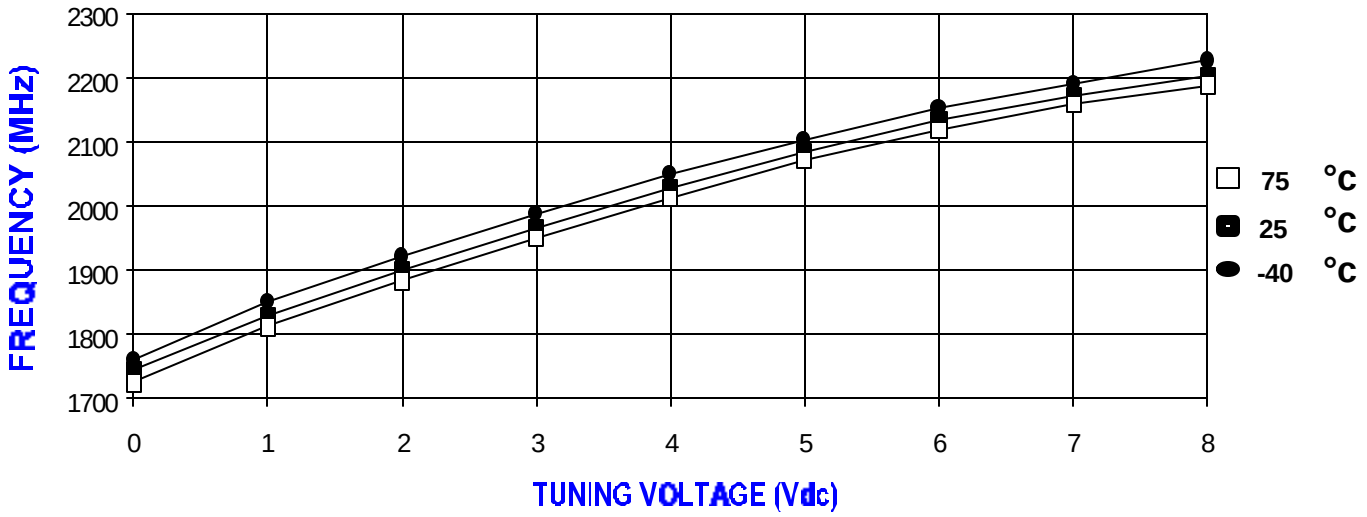
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

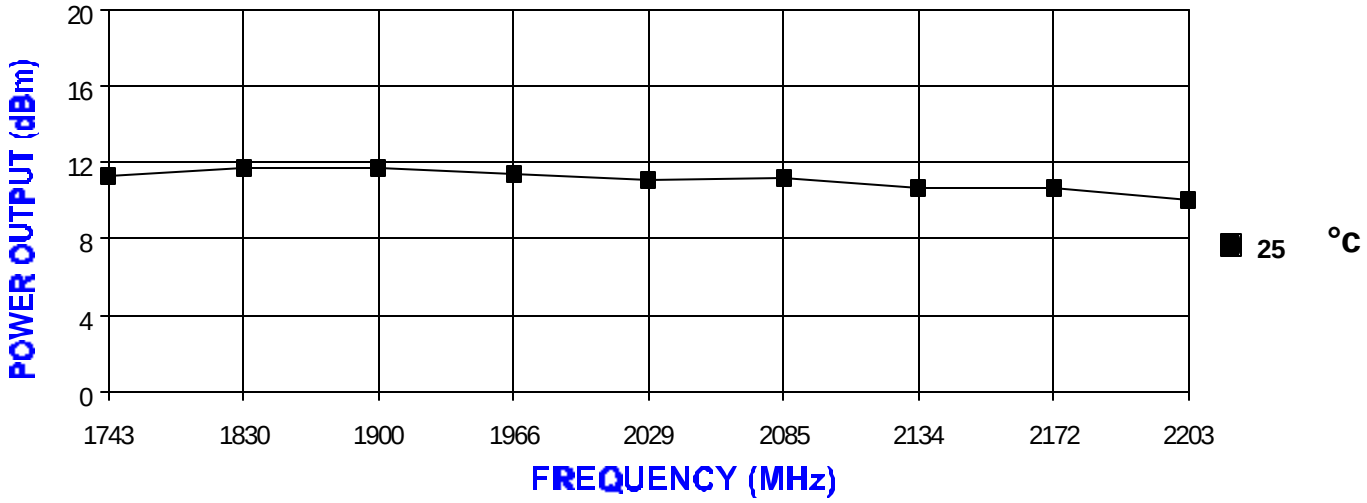
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TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

