Z-Communications, Inc.
9939 Via Pasar • San Diego, CA 92126
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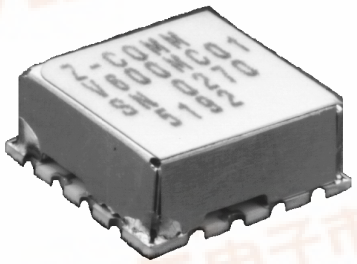
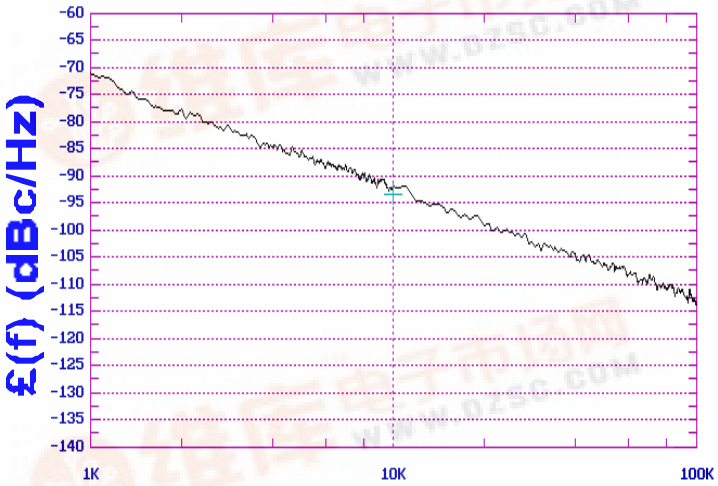
V630ME08

VOLTAGE CONTROLLED OSCILLATOR

Rev B2



PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 2190 - 2330 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14H - Style Package

APPLICATIONS

- WLAN
- Digital Radios
- Earthstations

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	2190 - 2330	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-91	dBc/Hz
Harmonic Suppression (2nd, typ.)	-20	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	80	MHz/V
Power Output	4±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<15	MHz
Operating Temperature Range	-30 to 85	°C
Package Style	MINI-14H	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	4.5	Vdc
Supply Current (Icc, typ.)	15	mA

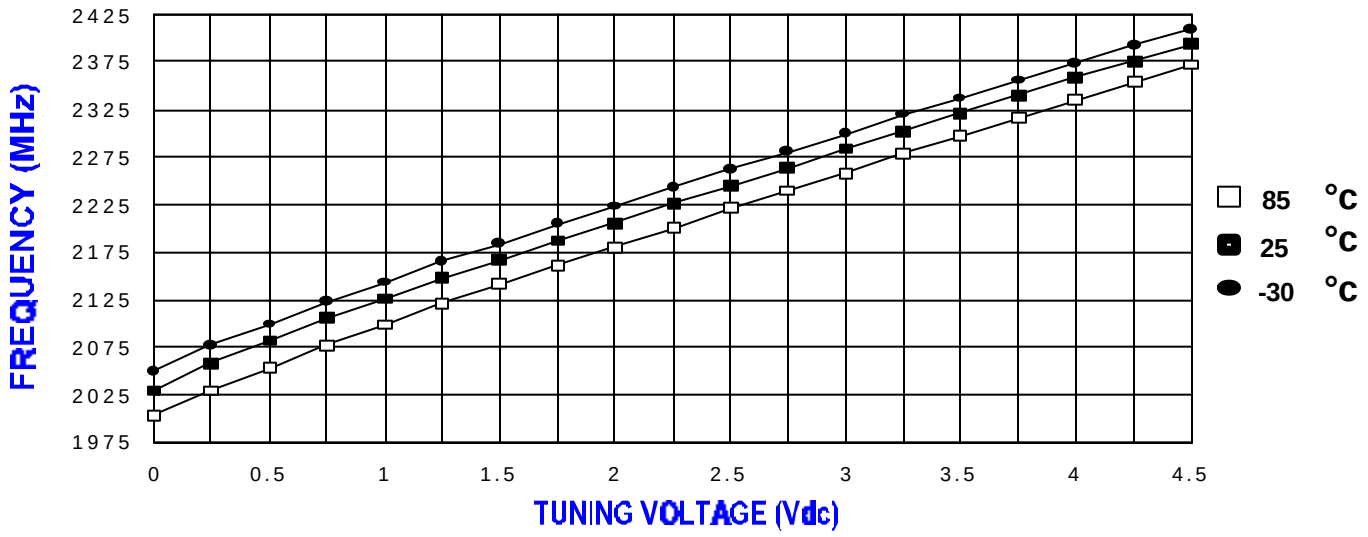
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

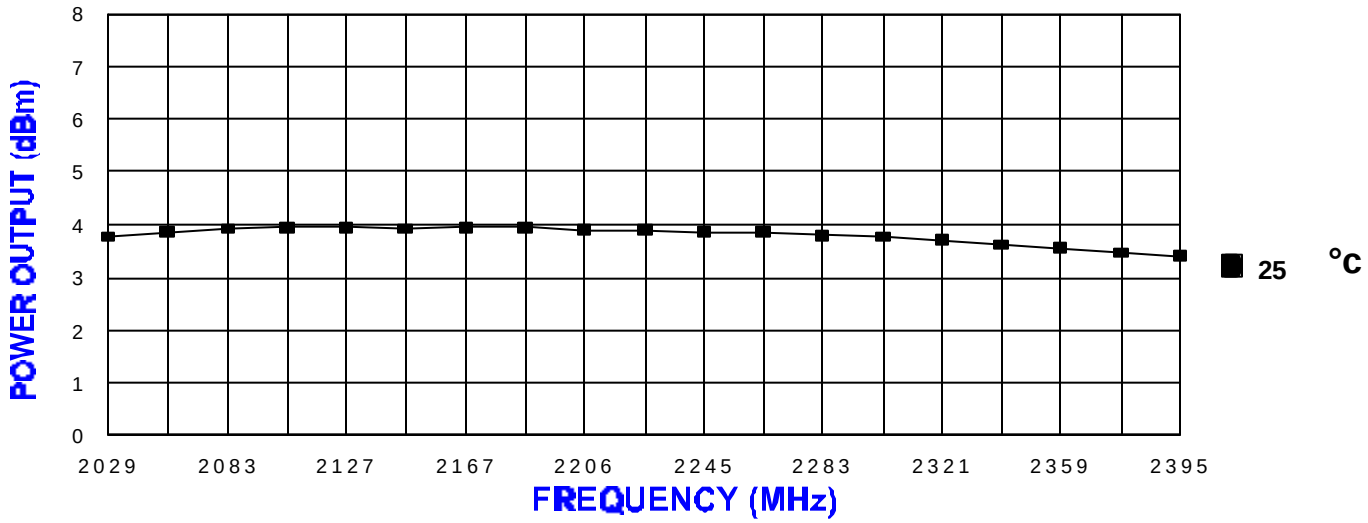
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS