Z-Communications, Inc.
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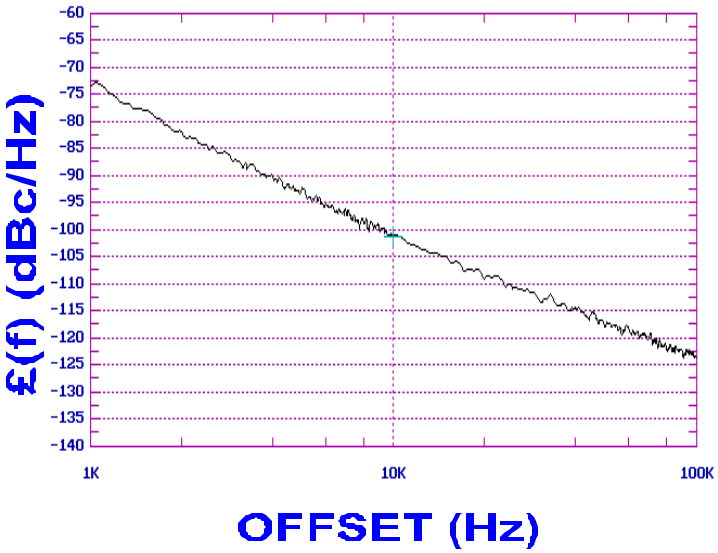
V614ME07

VOLTAGE CONTROLLED OSCILLATOR

Rev B2



PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1875 - 1957 MHz
- Tuning Voltage: 0.6-5 Vdc
- MINI-14S - Style Package

APPLICATIONS

- Digital Radios
- PCS
- Downconvertors

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1875 - 1957	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-100	dBc/Hz
Harmonic Suppression (2nd, typ.)	-20	dBc
Tuning Voltage	0.6-5	Vdc
Tuning Sensitivity (avg.)	69	MHz/V
Power Output	0.5±2.5	dBm
Load Impedance	50	?
Input Capacitance (max.)	50	pF
Pushing	<4	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	4.5	Vdc
Supply Current (Icc, typ.)	11	mA

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

APPLICATION NOTES

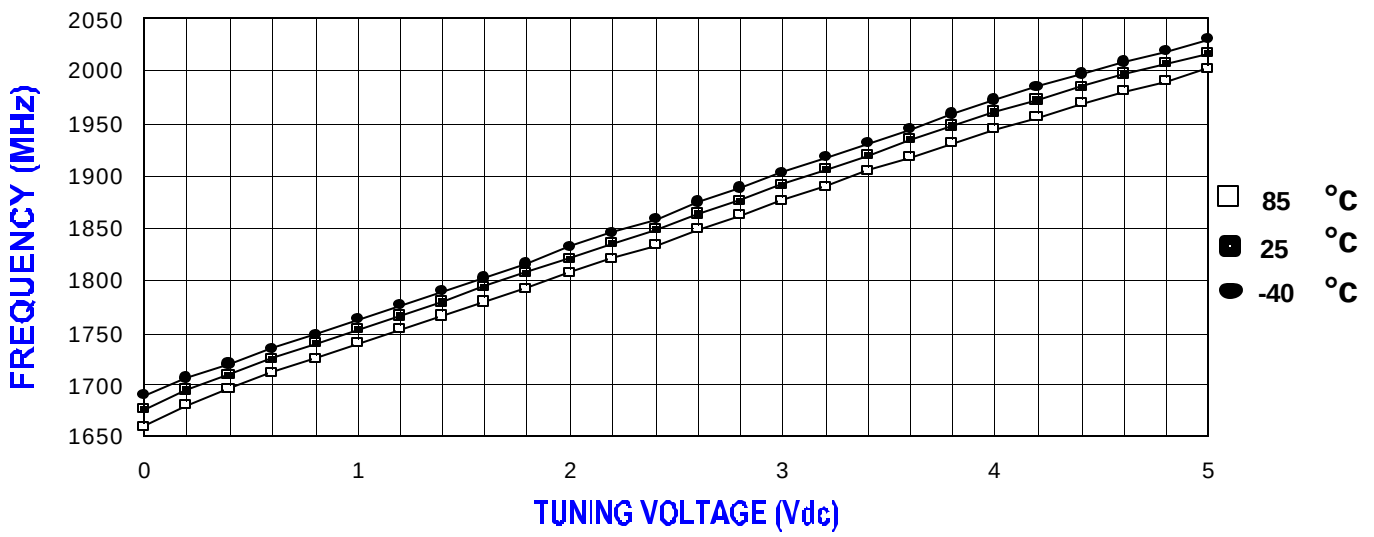
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

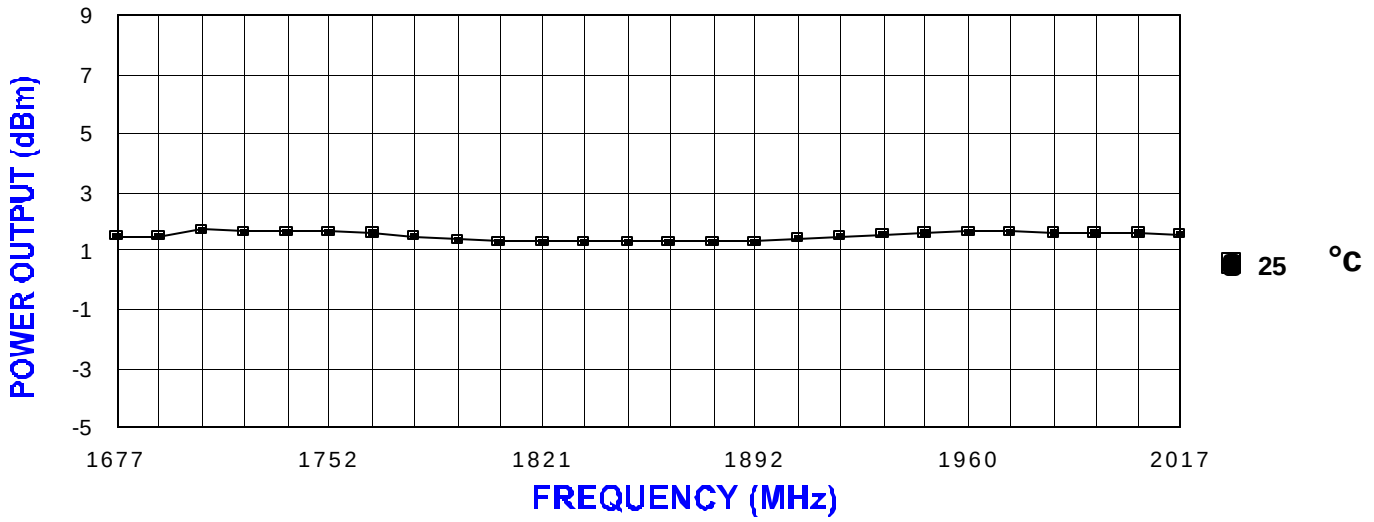
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TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

