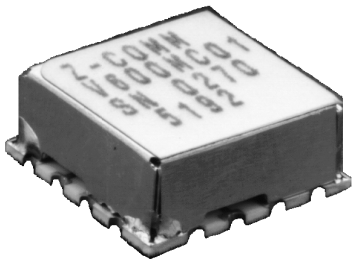
Z-Communications, Inc.
9939 Via Pasar • San Diego, CA 92126
TEL (619) 621-2700 FAX (619) 621-2722

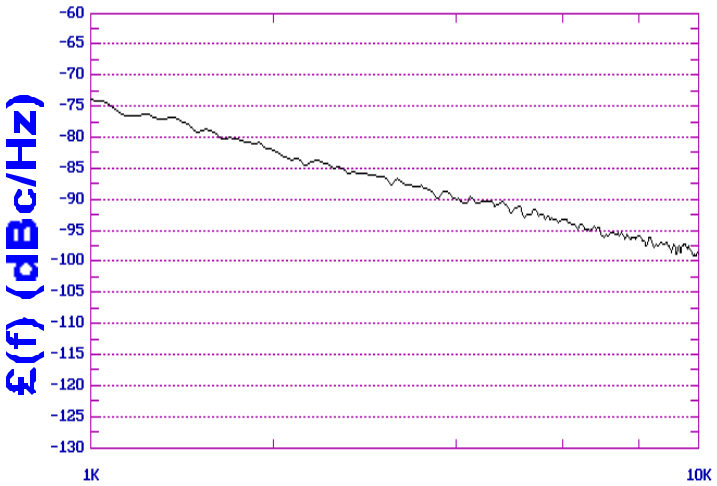
V585ME07

VOLTAGE CONTROLLED OSCILLATOR

Rev B2



PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1100 - 2100 MHz
- Tuning Voltage: 1-20 Vdc
- MINI-14S-LOW - Style Package

APPLICATIONS

- Satellite Communications
- CATV Modems
- Test Instrumentation

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1100 - 2100	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-98	dBc/Hz
Harmonic Suppression (2nd, typ.)	-5	dBc
Tuning Voltage	1-20	Vdc
Tuning Sensitivity (avg.)	67	MHz/V
Power Output	5.5±2.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<15	MHz
Operating Temperature Range	-40 to 80	°C
Package Style	MINI-14S-LOW	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	10	Vdc
Supply Current (Icc, typ.)	15	mA

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

APPLICATION NOTES

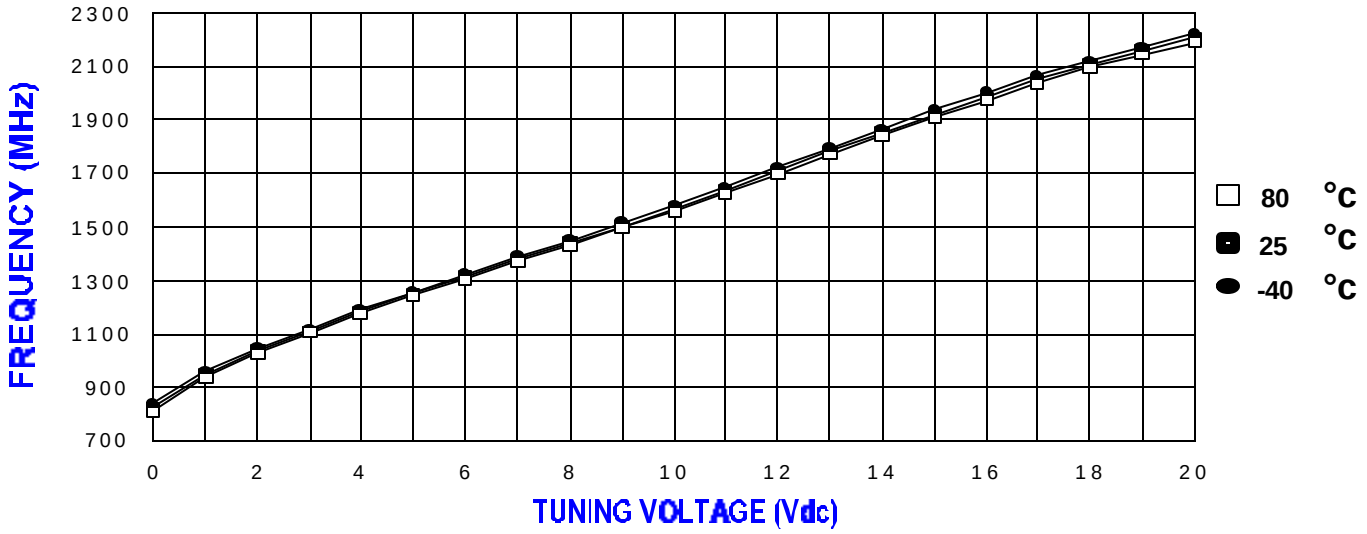
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

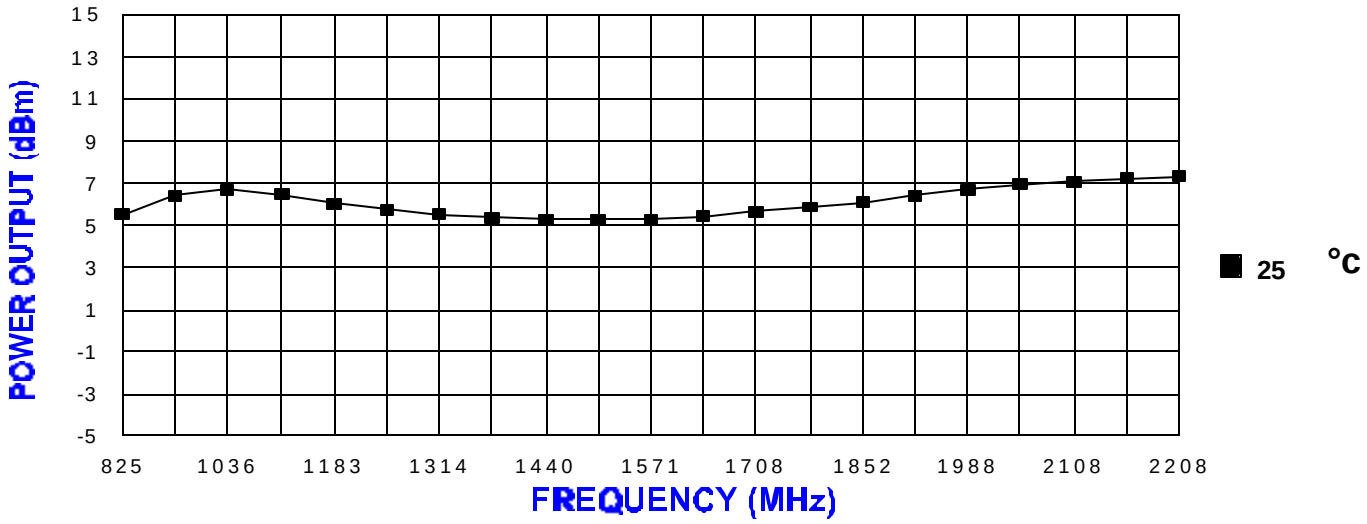
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TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

