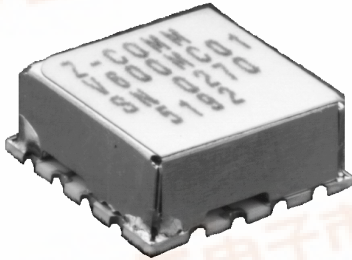


V622ME10

VOLTAGE CONTROLLED OSCILLATOR

Rev B2



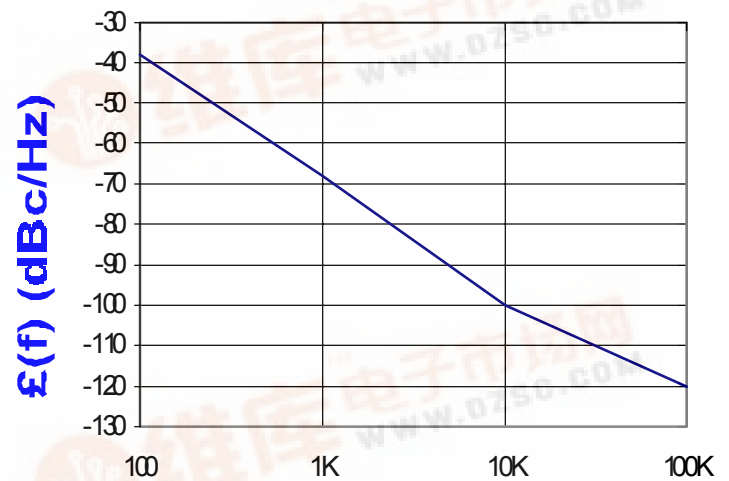
FEATURES

- Frequency Range: 1625 - 1661 MHz
- Tuning Voltage: 1-4 Vdc
- MINI-14H - Style Package

APPLICATIONS

- Satellite Modems
- Earthstations
- VSAT

PHASE NOISE (1 Hz BW, typical)



OFFSET (Hz)

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	1625 - 1661	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-100	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Tuning Voltage	1-4	Vdc
Tuning Sensitivity (avg.)	35	MHz/V
Power Output	2±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<10	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<10	MHz
Operating Temperature Range	-30 to 85	°C
Package Style	MINI-14H	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	20	mA

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

APPLICATION NOTES

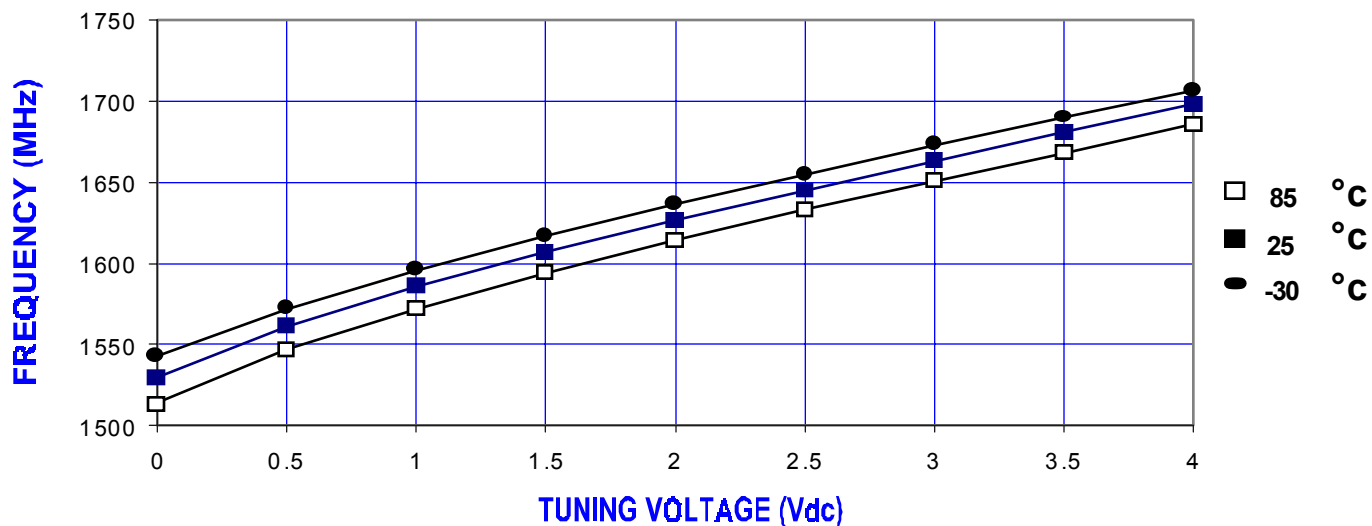
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

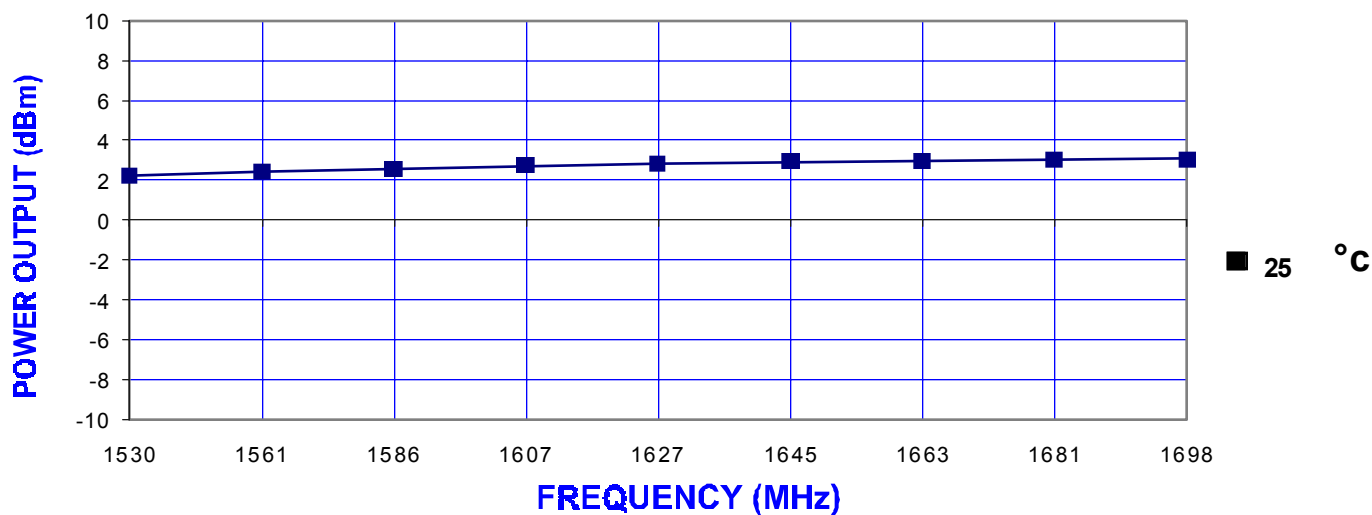
**LOW COST - HIGH PERFORMANCE
VOLTAGE CONTROLLED OSCILLATOR**

V622ME10
PAGE 2

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

