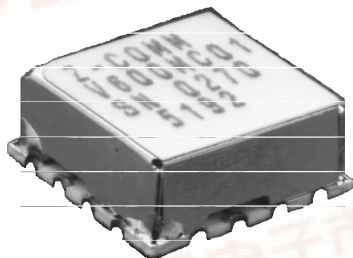


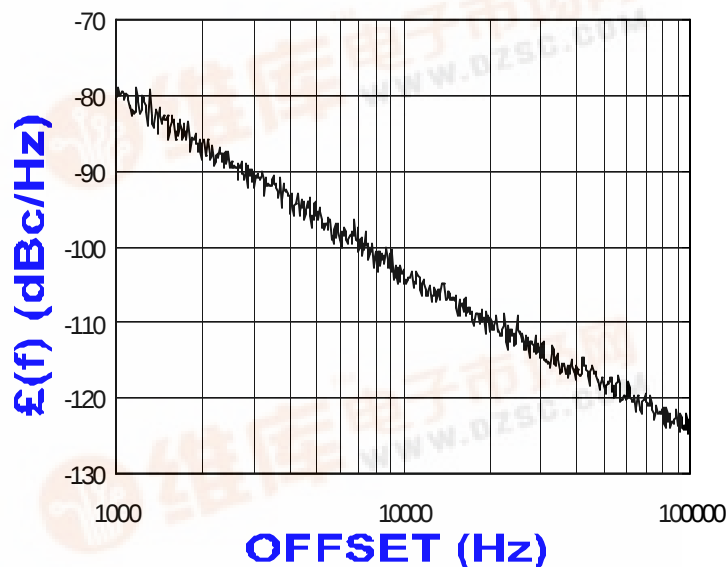
V585ME29

VOLTAGE CONTROLLED OSCILLATOR

Rev A



PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1470 - 1650 MHz
- Tuning Voltage: 1-12 Vdc
- MINI-16 - Style Package

APPLICATIONS

- Satellite Communications
- CATV Headend Equipment
- Earthstations

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	1470 - 1650	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-103	dBc/Hz
Harmonic Suppression (2nd, typ.)	-10	dBc
Tuning Voltage	1-12	Vdc
Tuning Sensitivity (avg.)	35	MHz/V
Power Output	7±2	dBm
Load Impedance	50	?
Input Capacitance (max.)	100	pF
Pushing	<5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<9	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-16	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	19	mA

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

APPLICATION NOTES

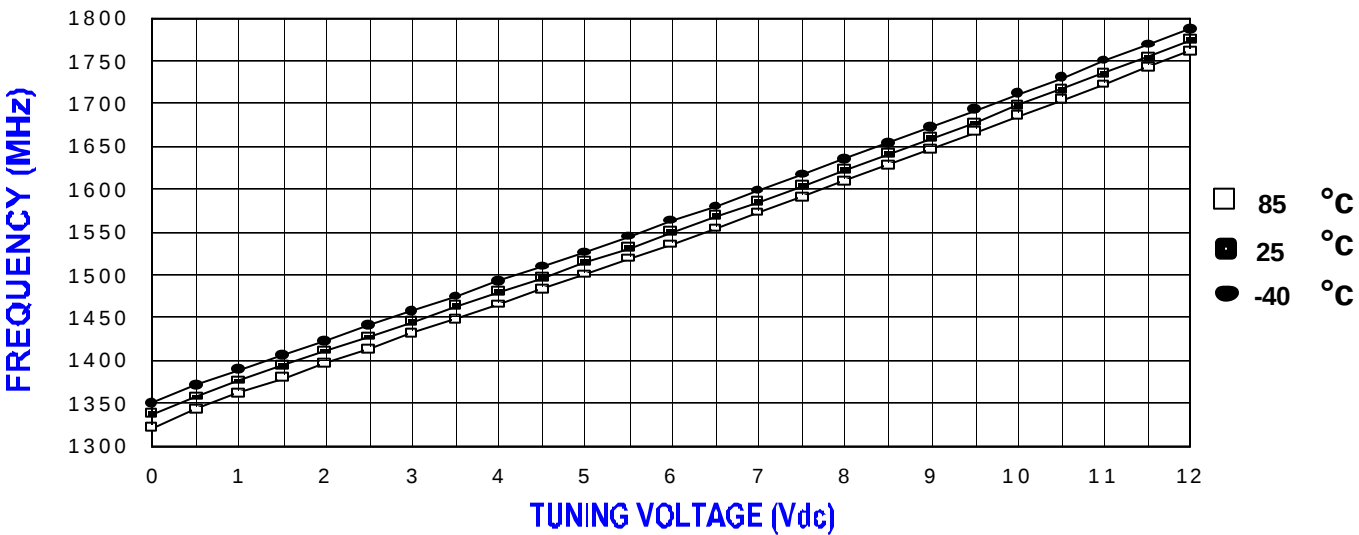
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

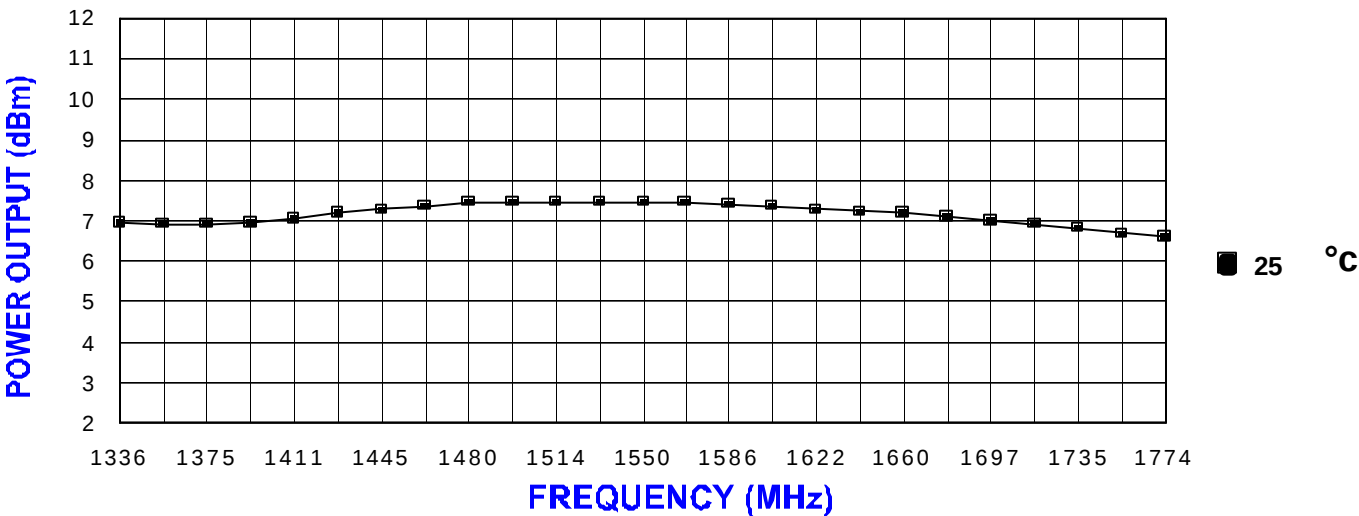

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LOW COST - HIGH PERFORMANCE
VOLTAGE CONTROLLED OSCILLATOR

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

