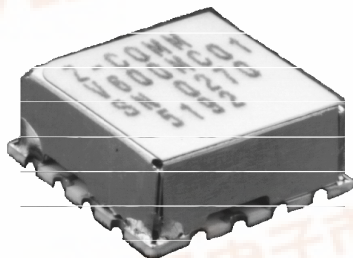


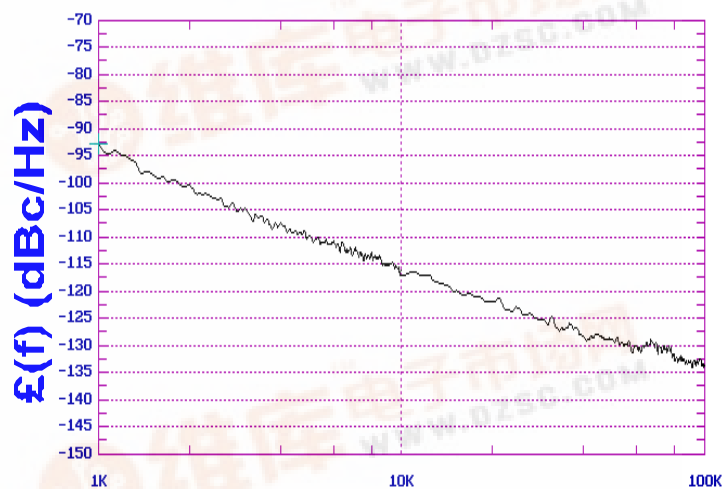
V582ME11

VOLTAGE CONTROLLED OSCILLATOR

Rev A1



PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1073 - 1086 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-16 - Style Package

APPLICATIONS

- Digital Radios
- Satellite Communications
- Basestations

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	1073 - 1086	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-115	dBc/Hz
Harmonic Suppression (2nd, typ.)	-30	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	10	MHz/V
Power Output	-1.5±2.5	dBm
Load Impedance	50	?
Input Capacitance (max.)	50	pF
Pushing	<1	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<2	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.)	20	mA

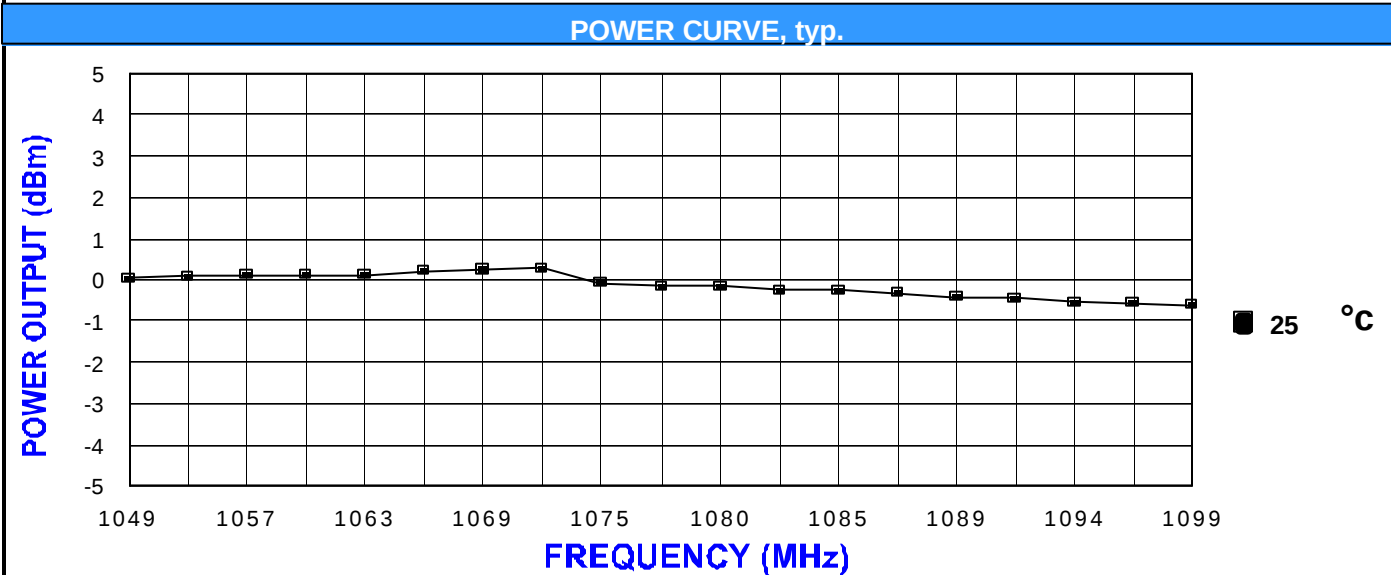
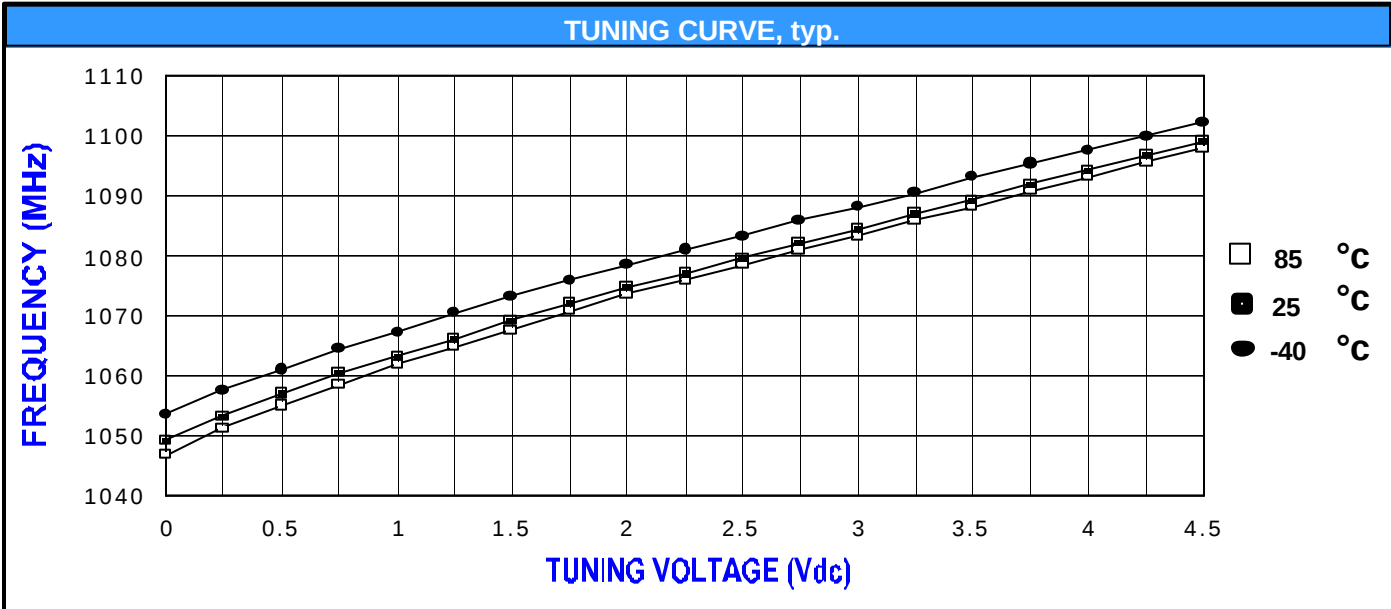
All specifications are typical unless otherwise noted and subject to change without notice.

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



PHYSICAL DIMENSIONS

