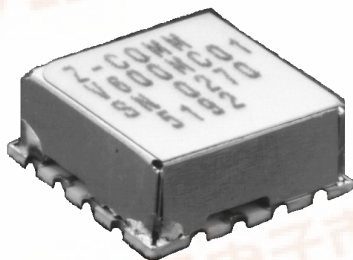


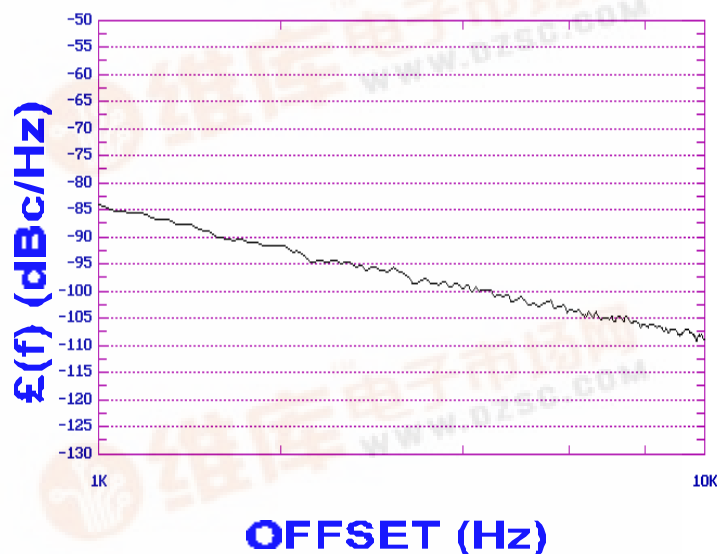
V621ME01

VOLTAGE CONTROLLED OSCILLATOR

Rev A1



PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1683 - 1743 MHz
- Tuning Voltage: 1.5-8 Vdc
- MINI-16-LOW - Style Package

APPLICATIONS

- Earthstations
- Satellite Modems
- Handheld Phones

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	1683 - 1743	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-108	dBc/Hz
Harmonic Suppression (2nd, typ.)	-11	dBc
Tuning Voltage	1.5-8	Vdc
Tuning Sensitivity (avg.)	22	MHz/V
Power Output	5±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<4	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<5	MHz
Operating Temperature Range	-10 to 85	°C
Package Style	MINI-16-LOW	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	8	Vdc
Supply Current (Icc, typ.)	18	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:

