



查询V285ME01供应商

Z-Communications, Inc.

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捷多邦, 专业PCB打样工厂, 24小时加急出货

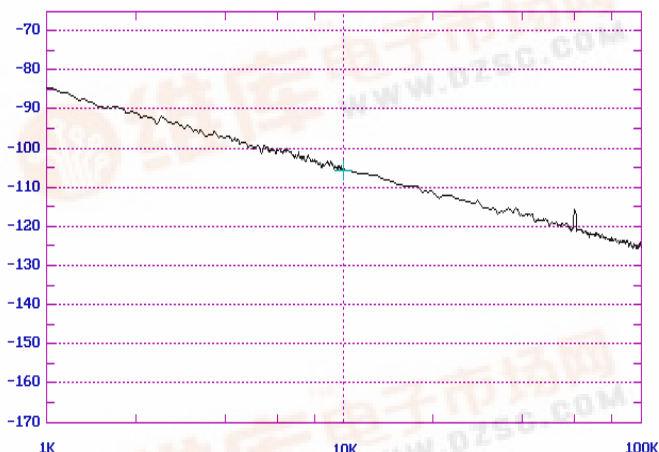
V285ME01

VOLTAGE CONTROLLED OSCILLATOR
Rev D4



PHASE NOISE (1 Hz BW, typical)

$L(f)$ (dBc/Hz)



OFFSET (Hz)

FEATURES
• Frequency Range: 270 - 300 MHz • Tuning Voltage: 0.5-4.5 Vdc • MINI-14S - Style Package
APPLICATIONS
• Satellite Modems • Mobile Radios • Earthstations

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	270 - 300	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-104	dBc/Hz
Harmonic Suppression (2nd, typ.)	-10	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	20	MHz/V
Power Output	7.5±2.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	200	pF
Pushing	<3	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	$^{\circ}\text{C}$
Package Style	MINI-14S	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	22	mA

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

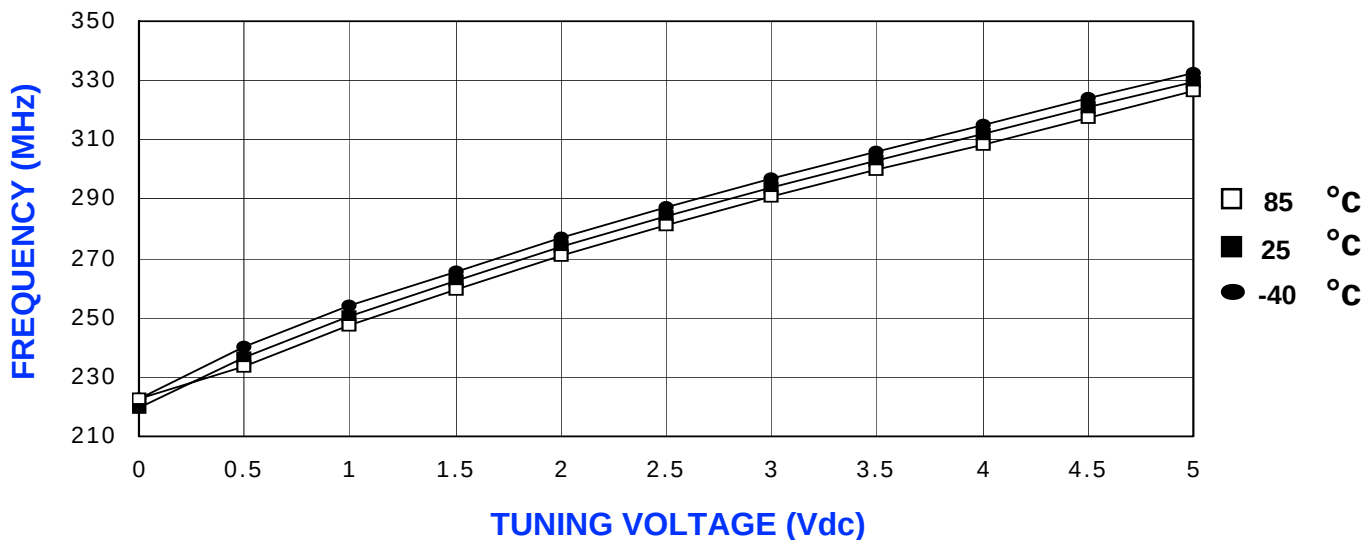
APPLICATION NOTES

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

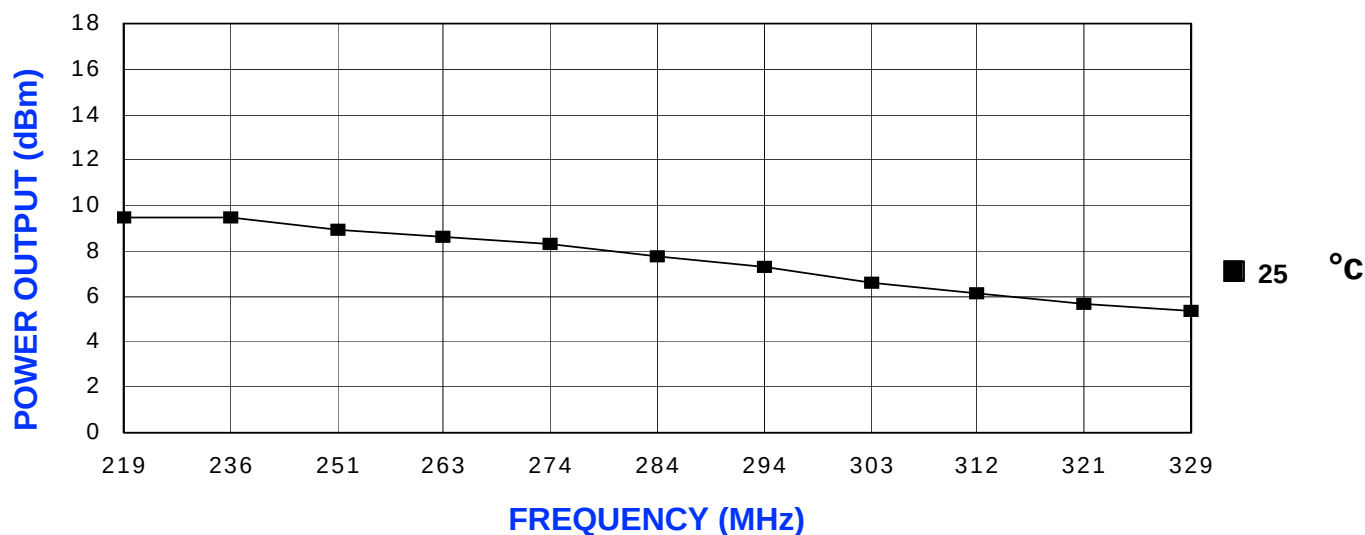
NOTES:



TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

