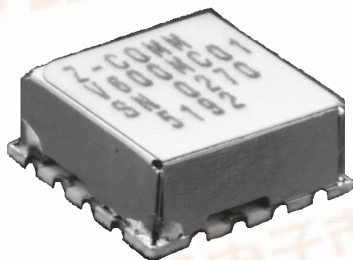


V844ME01

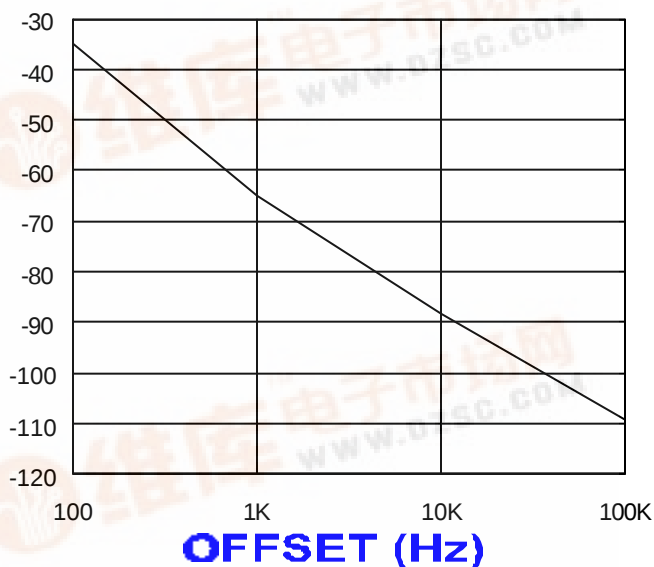
VOLTAGE CONTROLLED OSCILLATOR

Rev B2



PHASE NOISE (1 Hz BW, typical)

$\mathcal{L}(f)$ (dBc/Hz)



FEATURES

- Frequency Range: 3200 - 3400 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14H - Style Package

APPLICATIONS

- Direct Broadcast
- Satellite Up/Down Conversion
- Microwave Links

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	3200 - 3400	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-88	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	98	MHz/V
Power Output	5±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<15	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<25	MHz
Operating Temperature Range	-40 to 75	°C
Package Style	MINI-14H	

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.

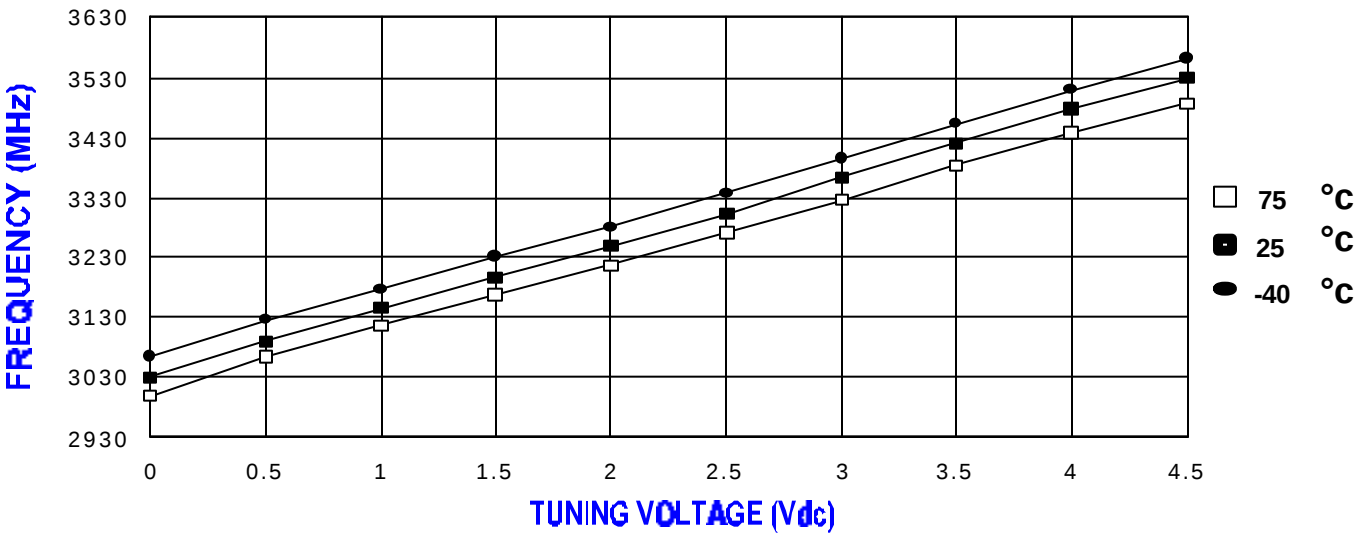
APPLICATION NOTES

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

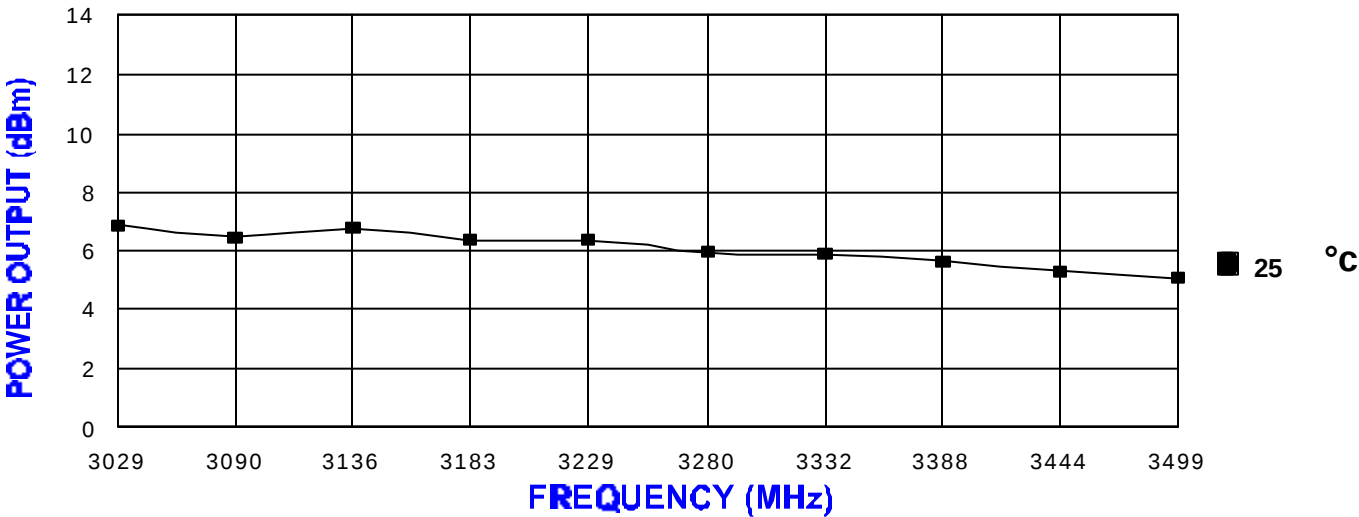
NOTES:


 pdf.dzsc.com

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

