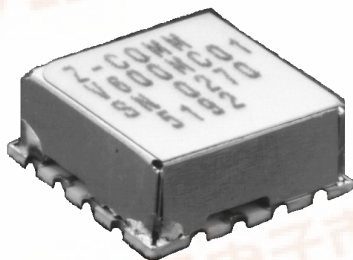


V842ME02

VOLTAGE CONTROLLED OSCILLATOR

Rev A1



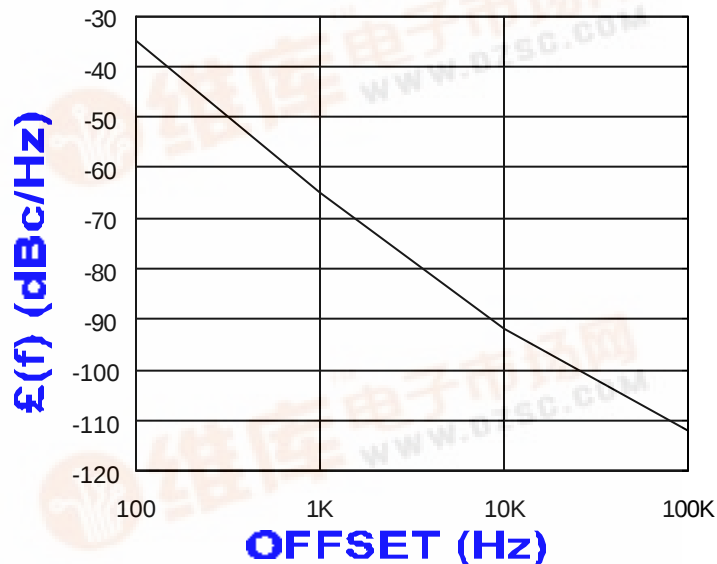
FEATURES

- Frequency Range: 3110 - 3320 MHz
- Tuning Voltage: 2-10 Vdc
- MINI-14H - Style Package

APPLICATIONS

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

PHASE NOISE (1 Hz BW, typical)



PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	3110 - 3320	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-92	dBc/Hz
Harmonic Suppression (2nd, typ.)	-18	dBc
Tuning Voltage	2-10	Vdc
Tuning Sensitivity (avg.)	48	MHz/V
Power Output	7±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<20	MHz
Operating Temperature Range	-30 to 70	°C
Package Style	MINI-14H	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	8	Vdc
Supply Current (Icc, typ.)	25	mA

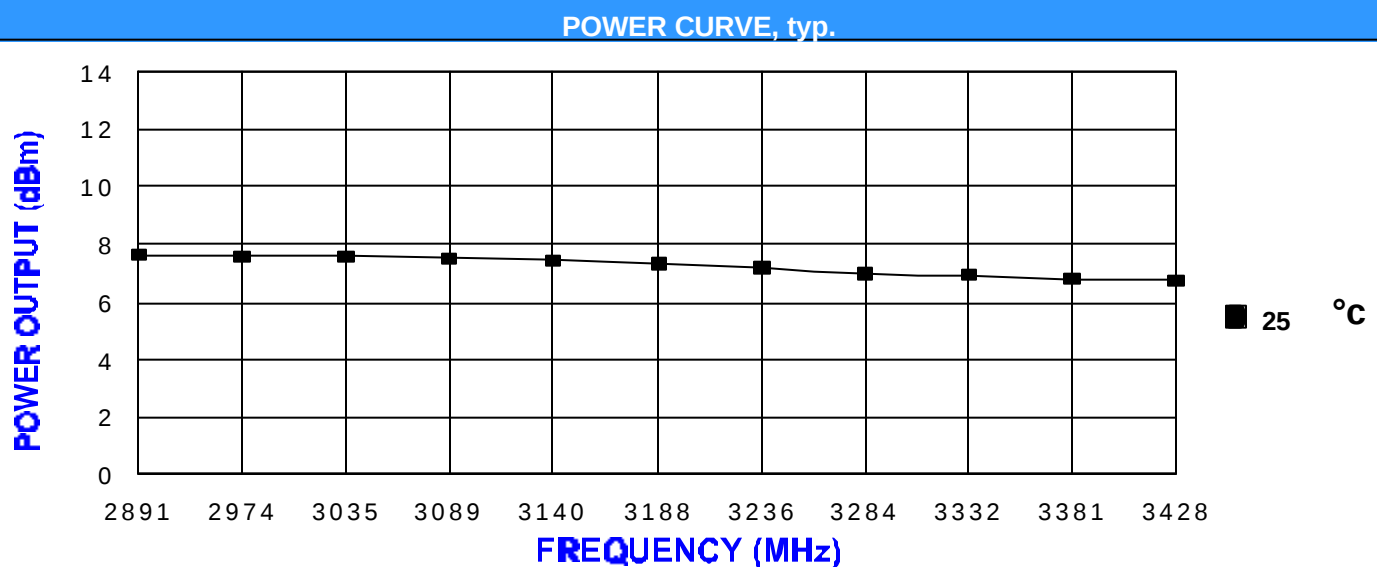
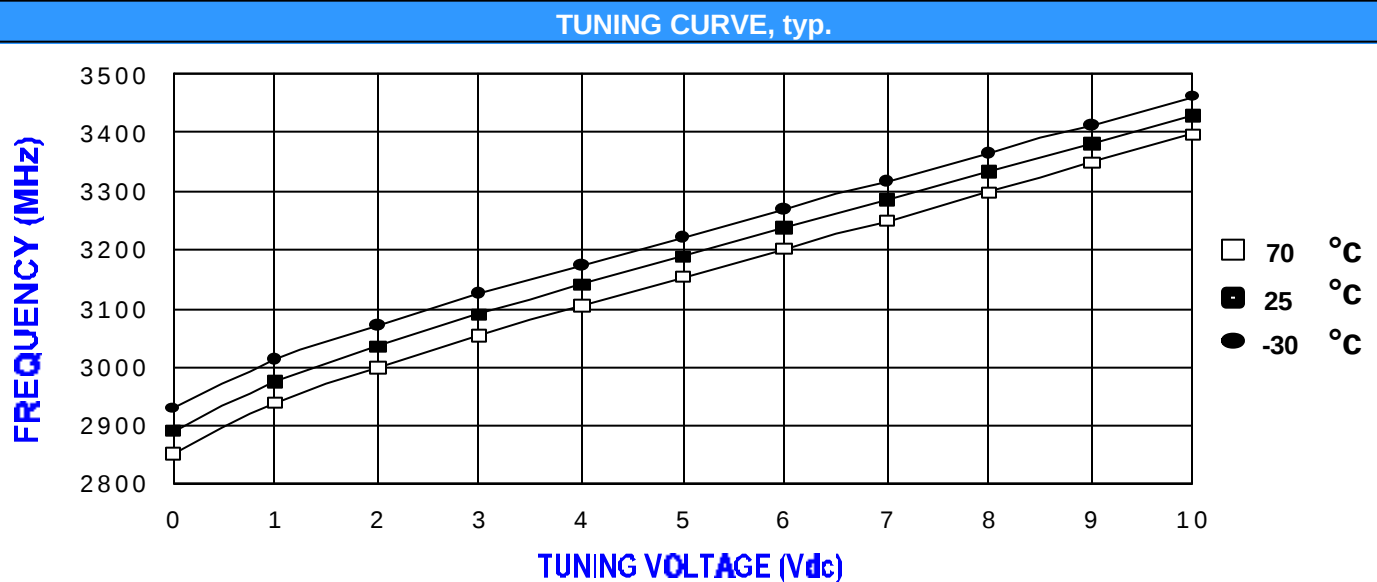
All specifications are typical unless otherwise noted and subject to change without notice.

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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PHYSICAL DIMENSIONS

