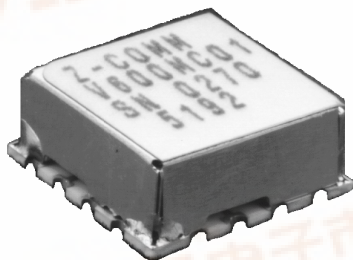


V956ME01

VOLTAGE CONTROLLED OSCILLATOR

Rev A1



FEATURES

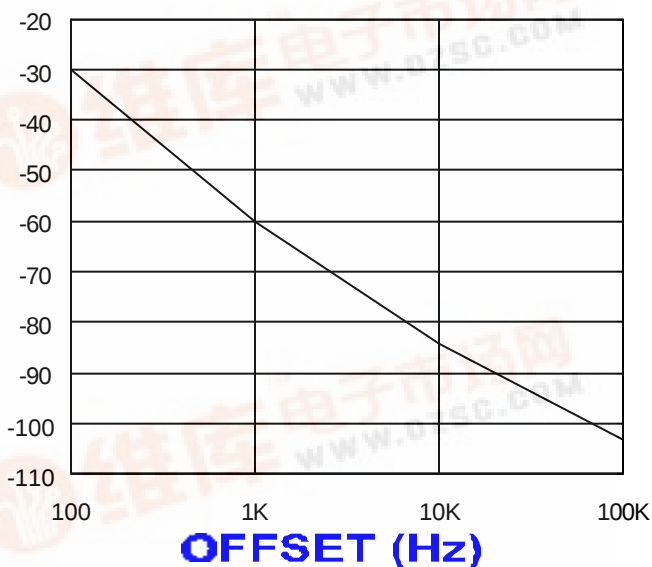
- Frequency Range: 6175 - 6325 MHz
- Tuning Voltage: 0.3-4.7 Vdc
- MINI-14S-L - Style Package

APPLICATIONS

- Microwave Radios
- Satellite Communications
- Direct Broadcast

PHASE NOISE (1 Hz BW, typical)

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



PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	6175 - 6325	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-84	dBc/Hz
Harmonic Suppression (2nd, typ.)	-30	dBc
Tuning Voltage	0.3-4.7	Vdc
Tuning Sensitivity (avg.)	87	MHz/V
Power Output	1±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<7	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<15	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S-L	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	27	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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