

14118 Stowe Drive, Suite B | Poway, CA 92064
 TEL: (858) 621-2700 | FAX: (858) 486-1927
 URL: www.zcomm.com
 EMAIL: applications@zcomm.com

Voltage-Controlled Oscillator Surface Mount Module

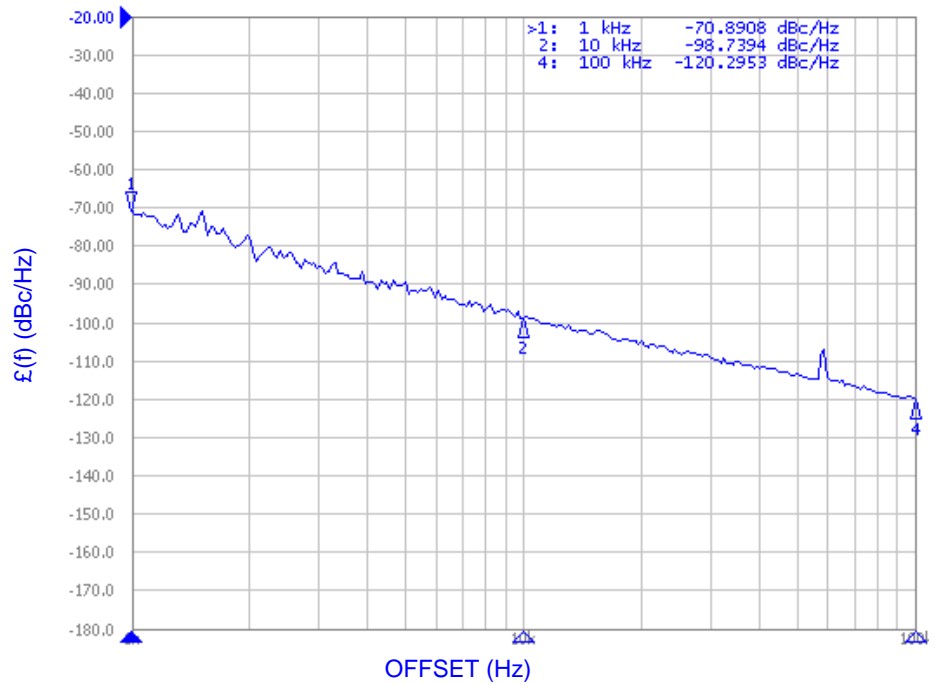
Applications

- Microwave Radios
- Satellite Communications
- Mobile Systems

Application Notes

- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering

PHASE NOISE (1 Hz BW, typical)



Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	1270		1290	MHz
Phase Noise @ 1 kHz offset (1 Hz BW)		-70		dBc/Hz
Phase Noise @ 10 kHz offset (1 Hz BW)		-98		dBc/Hz
Phase Noise @ 100 kHz offset (1 Hz BW)		-119		dBc/Hz
Phase Noise @ 1000 kHz offset (1 Hz BW)		-139		dBc/Hz
Tuning Voltage	0.2		2.8	Vdc
Tuning Sensitivity (avg.)		40		MHz/V
Harmonic Suppression (2nd)		-20		dBc
Power Output	0	3	6	dBm
Load Impedance			50	Ω
Input Capacitance			50	pF
Pushing			3	MHz/V
Pulling (20 dB Return Loss, Any Phase)			6	MHz
Operating Temperature Range		-40 to 85		$^{\circ}\text{C}$
Package Style		SUB-L		

Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		3		Vdc
Supply Current (Icc)		12		mA

LFSuffix = RoHS Compliant. All specifications are subject to change without notice.