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### Voltage-Controlled Oscillator Surface Mount Module

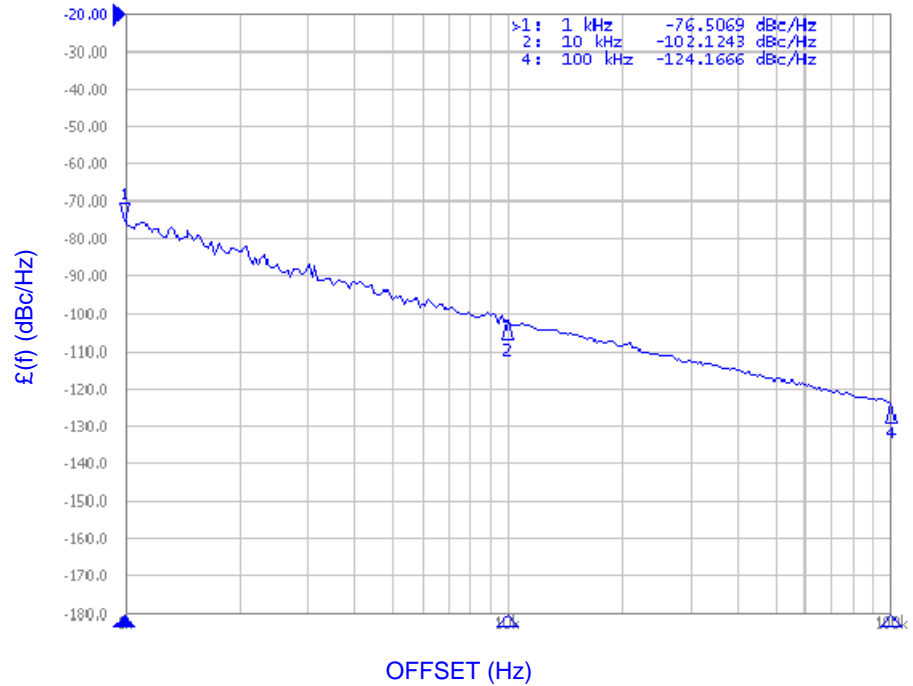
#### Applications

- 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	950		970	MHz
Phase Noise @ 1 kHz offset (1 Hz BW)		-75		dBc/Hz
Phase Noise @ 10 kHz offset (1 Hz BW)		-102		dBc/Hz
Phase Noise @ 100 kHz offset (1 Hz BW)		-122		dBc/Hz
Phase Noise @ 1000 kHz offset (1 Hz BW)		-142		dBc/Hz
Tuning Voltage	0.5		3	Vdc
Tuning Sensitivity (avg.)		30		MHz/V
Harmonic Suppression (2nd)		-20		dBc
Power Output	-4	-1	2	dBm
Load Impedance			50	$\Omega$
Input Capacitance			50	pF
Pushing			2	MHz/V
Pulling (20 dB Return Loss, Any Phase)			2	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.