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## Voltage-Controlled Oscillator Surface Mount Module

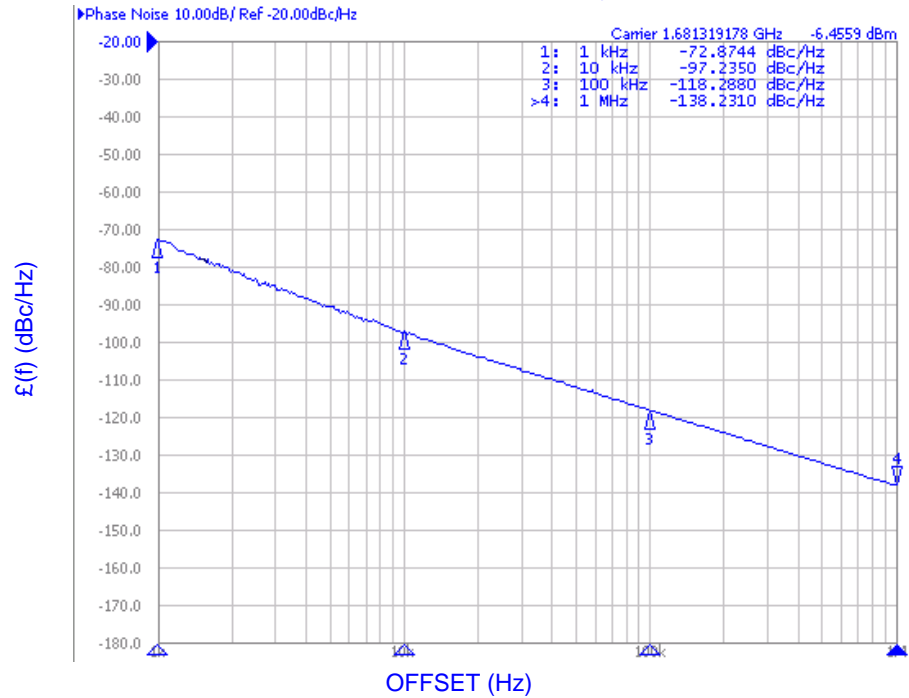
### Applications

- Base Stations
- Mobile Communications
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### 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	1651		1711	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-97		dBc/Hz
Harmonic Suppression (2nd)		-15		dBc
Tuning Voltage	2		4.4	Vdc
Tuning Sensitivity (avg.)		59		MHz/V
Power Output	-2	0	2	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			5	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14S-L			

### Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		11	14	mA

### Additional Notes

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

