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**Voltage-Controlled Oscillator  
 Surface Mount Module**

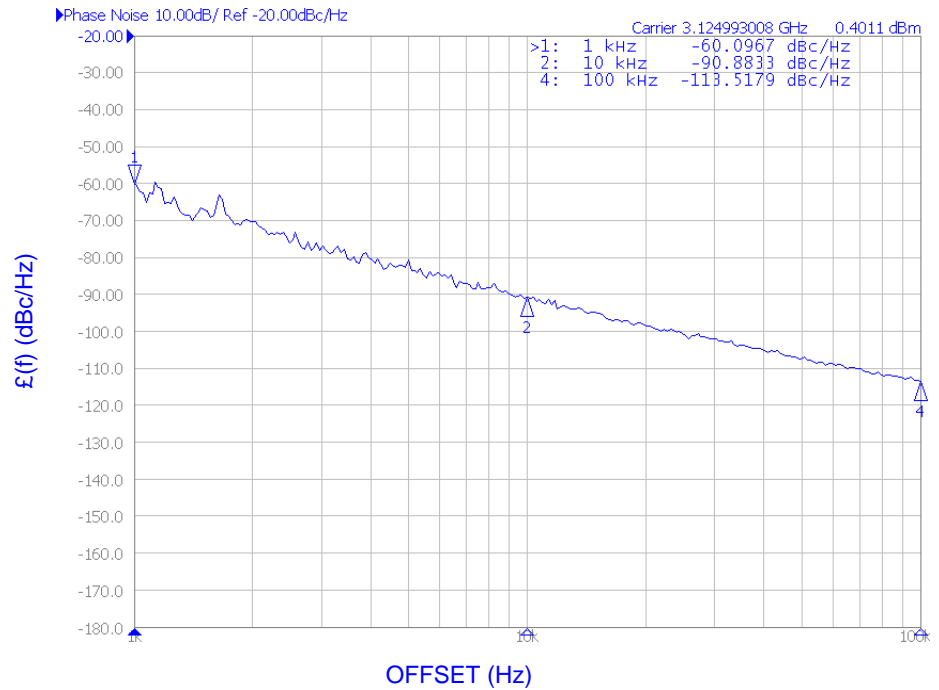
**Applications**

- Satellite Modems
- Earthstations
- VSAT

**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	2750		3500	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-88		dBc/Hz
Harmonic Suppression (2nd)		-15	-11	dBc
Tuning Voltage	0.5		9.5	Vdc
Tuning Sensitivity (avg.)		120		MHz/V
Power Output	3	6	9	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			6	MHz/V
Pulling (14 dB Return Loss, Any Phase)			13	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14H-L			

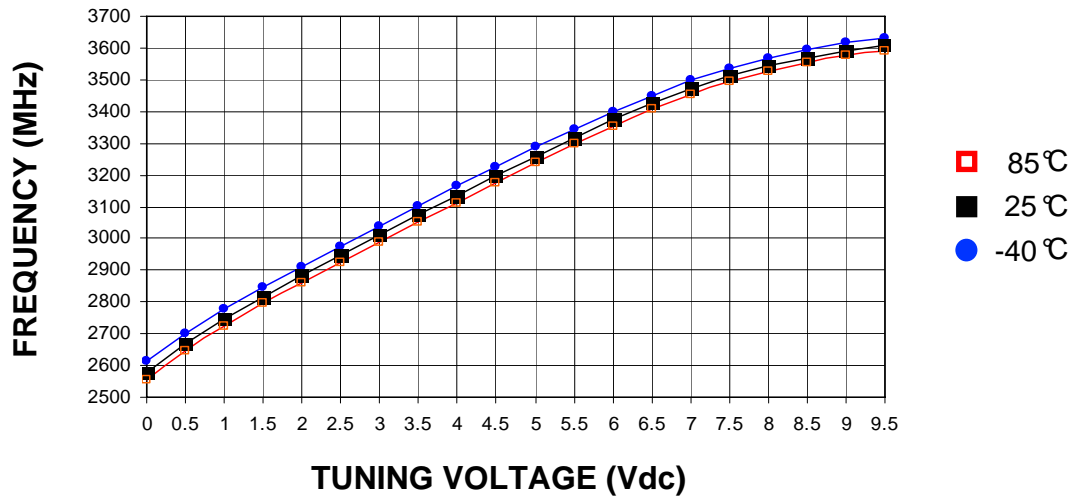
**Power Supply Requirements**

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		10		Vdc
Supply Current (Icc)		24	28	mA

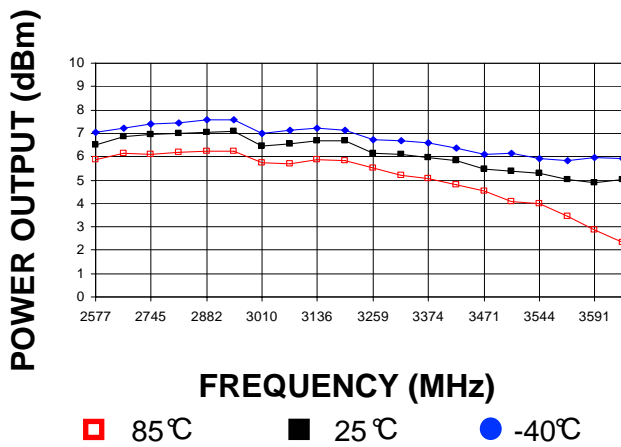
**Additional Notes**

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

Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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