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PHASE NOISE (1 Hz BW, typical)

## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Portable Radios
- PCS
- Downconvertors

### Application Notes

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

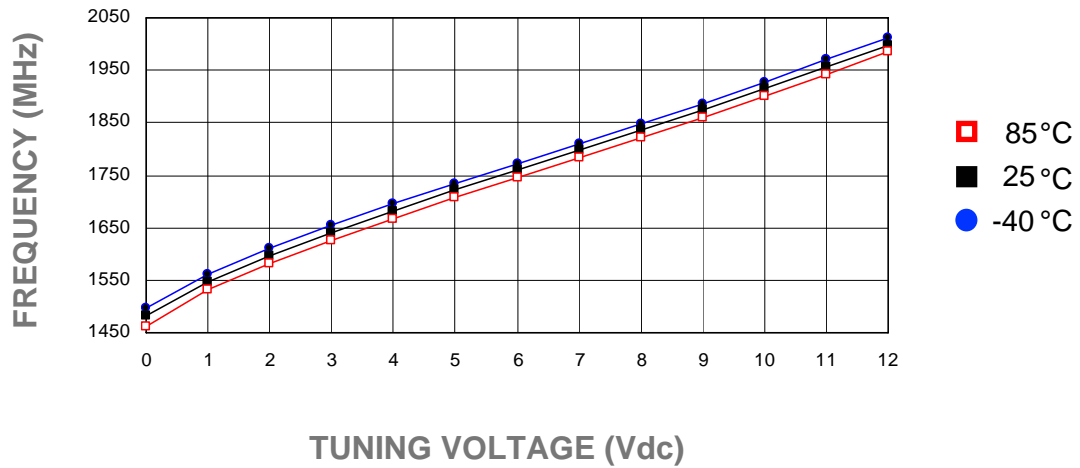


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1690		1925	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-99		dBc/Hz
Harmonic Suppression (2nd)		-10	-7	dBc
Tuning Voltage	2		12	Vdc
Tuning Sensitivity (avg.)		35		MHz/V
Power Output	1	3.5	6	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			4	MHz/V
Pulling (12 dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-14S		

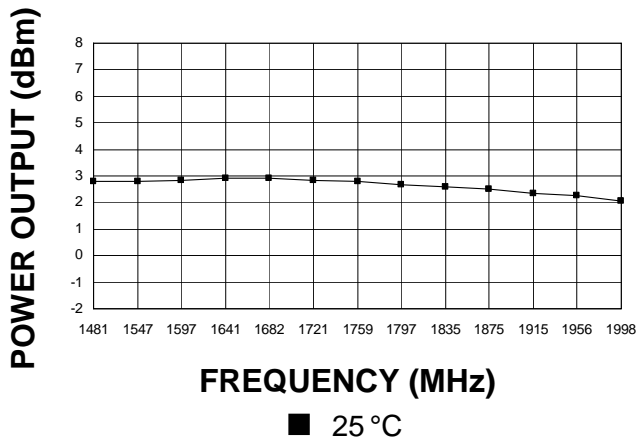
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		9.0		Vdc
Supply Current (Icc)		14	17	mA

### Additional Notes

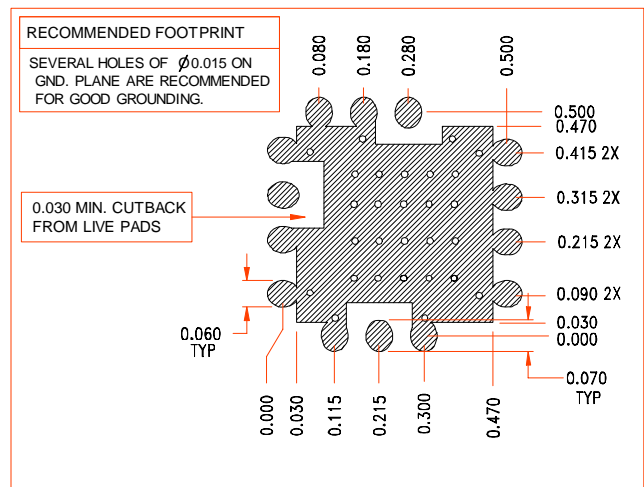
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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