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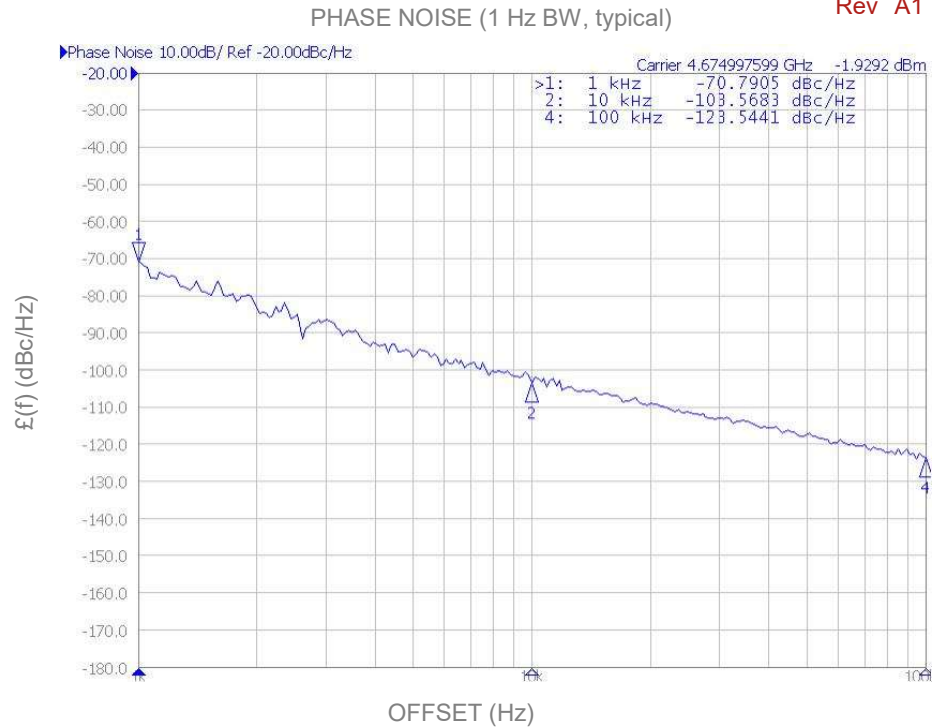
Voltage-Controlled Oscillator Surface Mount Module

Applications

Satellite Communications
 Radar Systems
 Microwave Radios

Application Notes

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

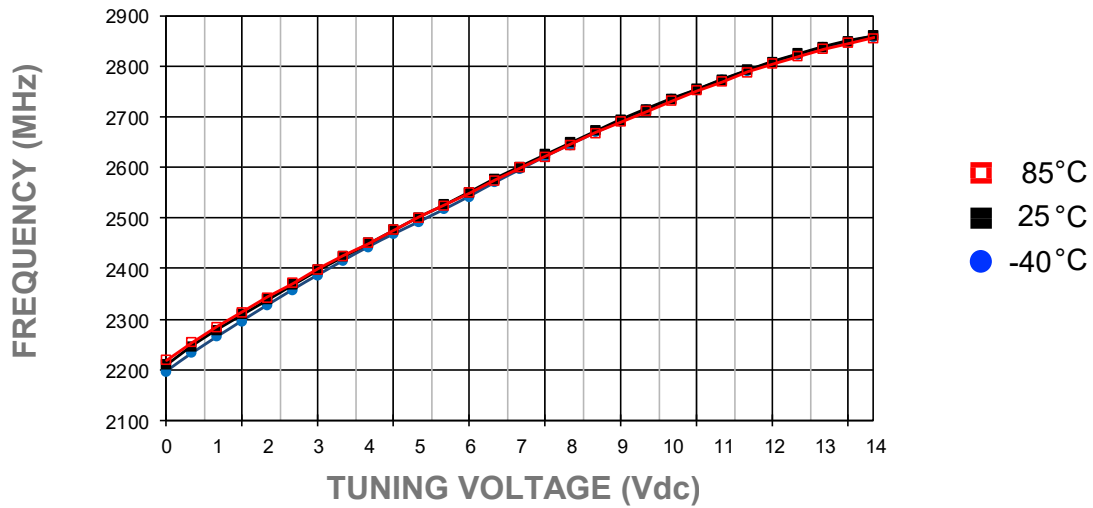


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	2300		2800	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-101		dBc/Hz
Harmonic Suppression (2nd)		-15	-10	dBc
Tuning Voltage	1		14	Vdc
Tuning Sensitivity (avg.)		40		MHz/V
Power Output	2	5.5	9	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			4	MHz/V
Pulling (12 dB Return Loss, Any Phase)			4	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16-SM			

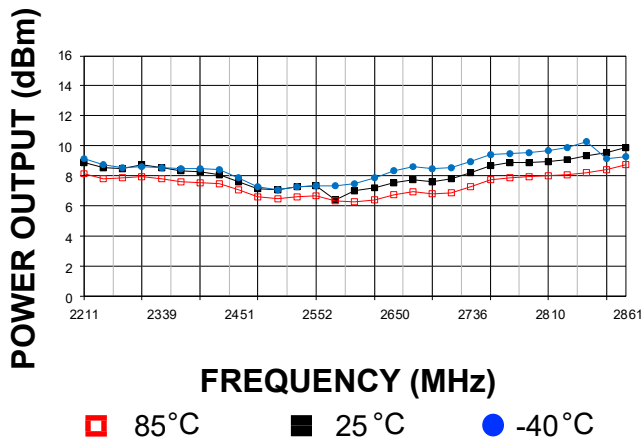
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8		Vdc
Supply Current (Icc)		30	35	mA

Additional Notes

Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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