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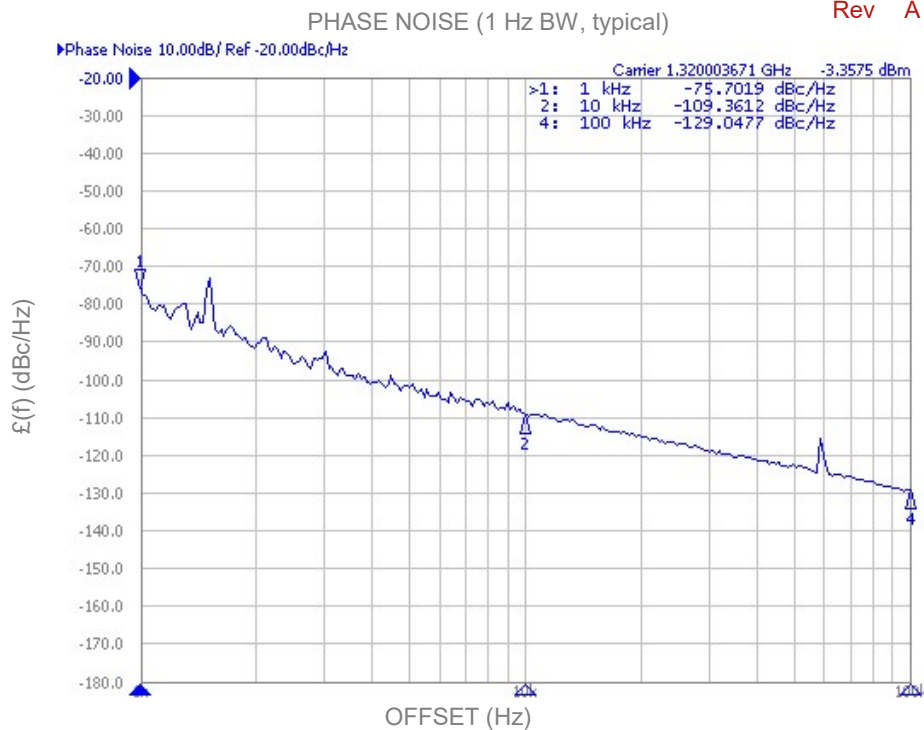
Voltage-Controlled Oscillator Surface Mount Module

Applications

Satellite Communications
 Test Equipment

Application Notes

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

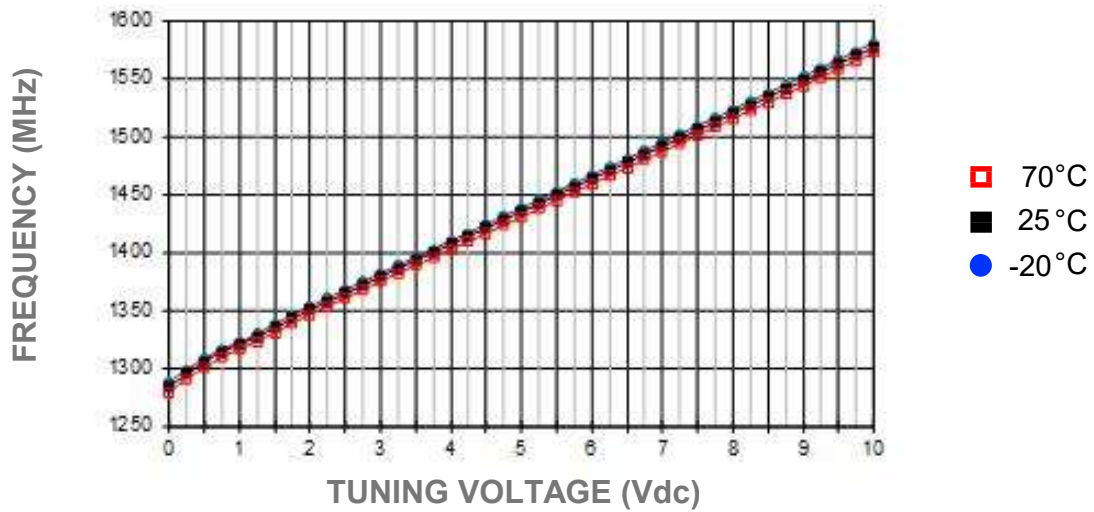


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1320		1520	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-110		dBc/Hz
Harmonic Suppression (2nd)		-18	-15	dBc
Tuning Voltage	0.5		10	Vdc
Tuning Sensitivity (avg.)		28		MHz/V
Power Output	-1	2	5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (12 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-20		70	$^{\circ}\text{C}$
Package Style	VCO-MINI-14S-L			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		25	30	mA

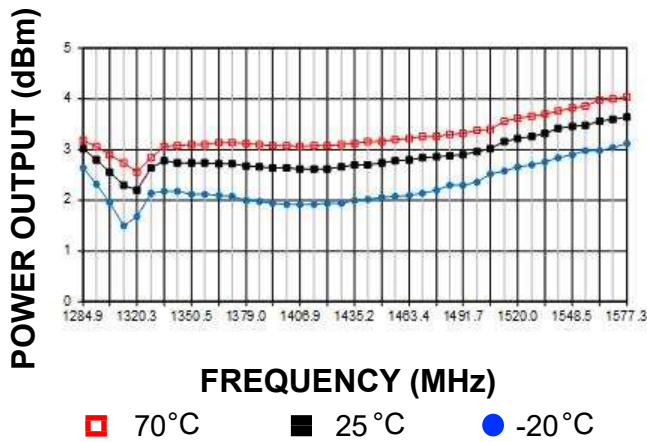
Additional Notes

Tuning Curve, typ.



Power Curve, typ.

Footprint



Physical Dimensions