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Voltage-Controlled Oscillator Surface Mount Module

Applications

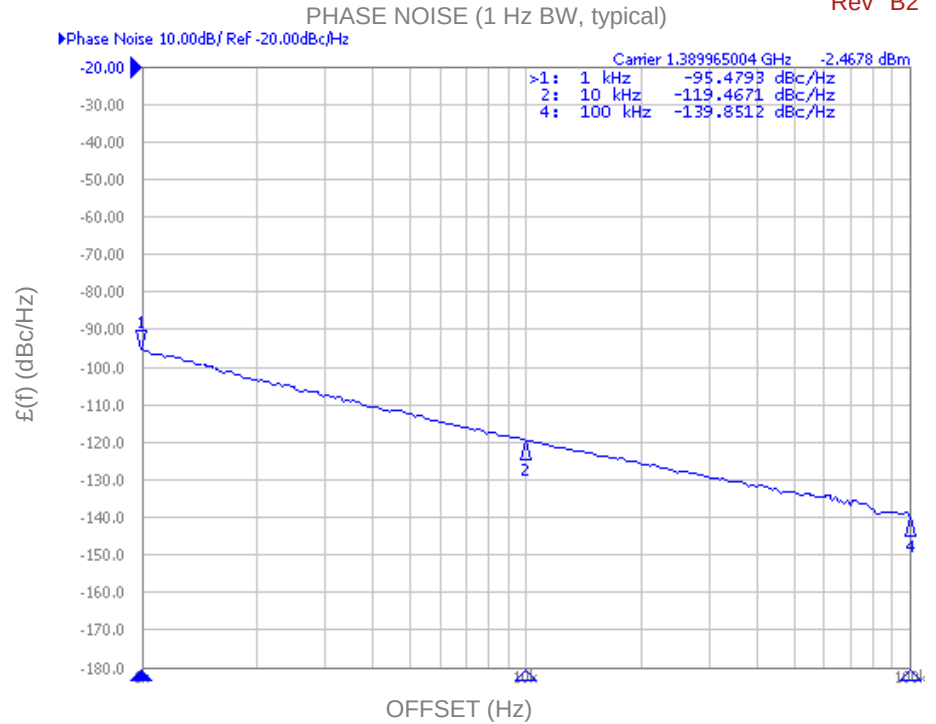
- Satellite Communication Systems
- Fixed Wireless Access
- Upconverter/Downconverter

Application Notes

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

CRO1390A-LF

Rev B2

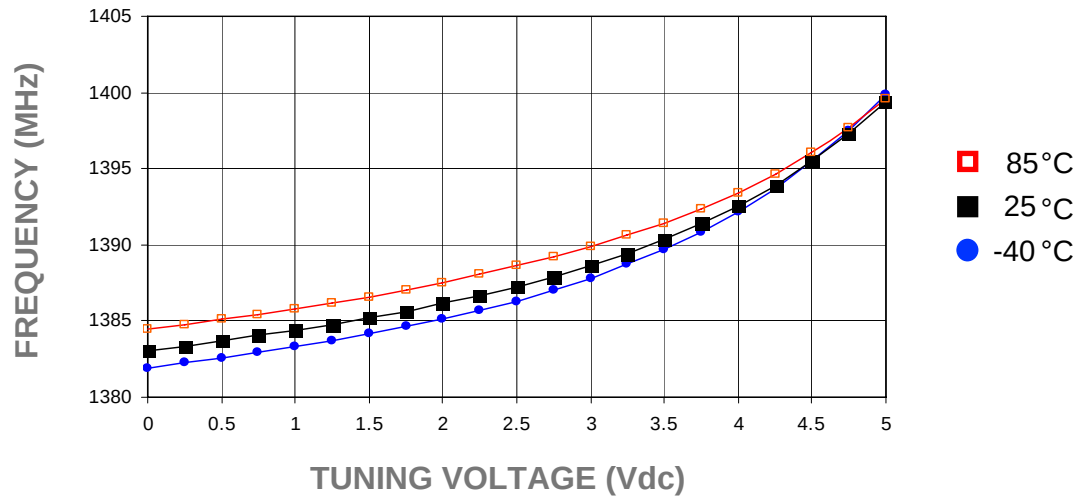


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1390		1390	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-118		dBc/Hz
Harmonic Suppression (2nd)		-10	-8	dBc
Tuning Voltage	0		5	Vdc
Tuning Sensitivity (avg.)		3		MHz/V
Power Output	0	3	6	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (12 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16-SM			

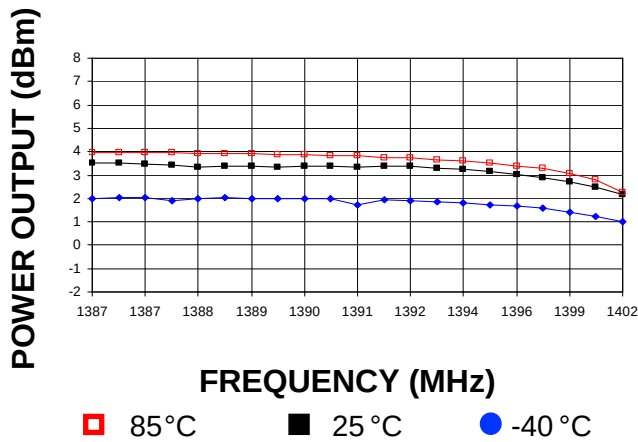
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		20	24	mA

Additional Notes

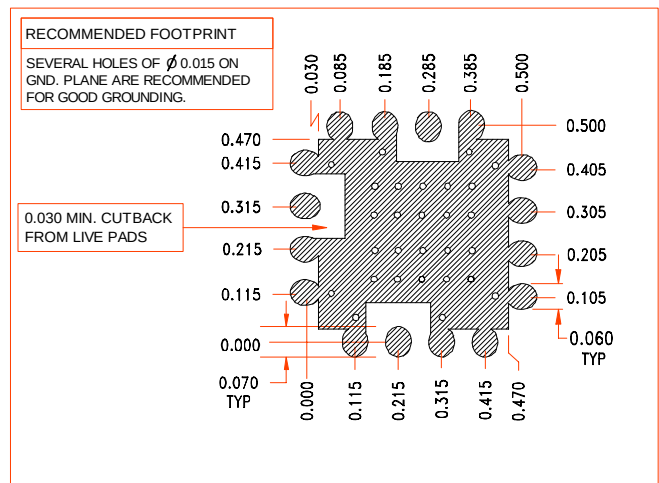
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions

