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Voltage-Controlled Oscillator Surface Mount Module

Applications

- P25 Mobile Radios
- Basestation Equipment
-

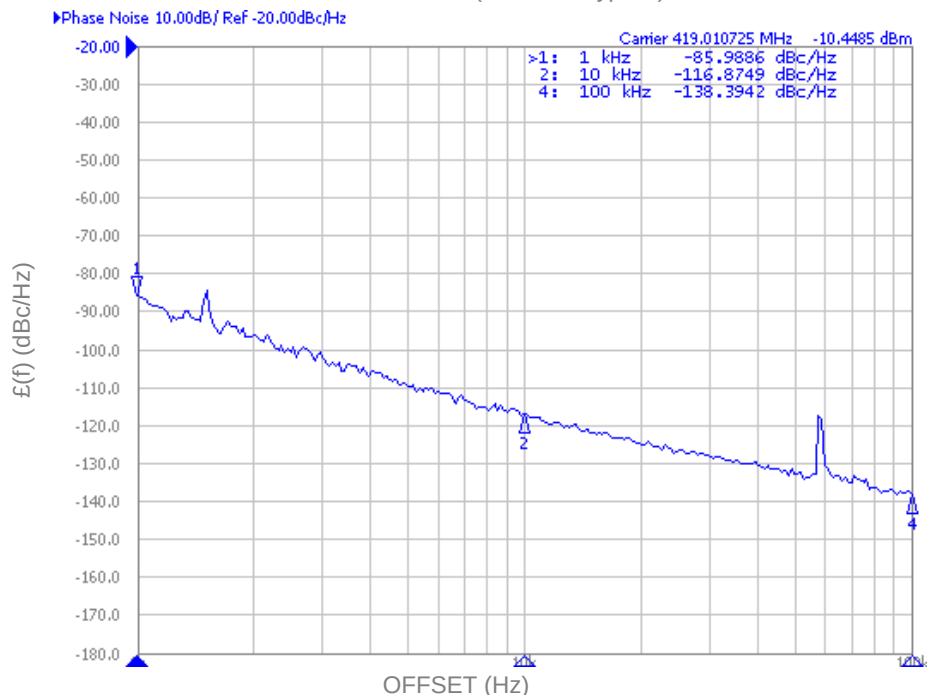
Application Notes

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

CRO0419A-LF

Rev A1

PHASE NOISE (1 Hz BW, typical)



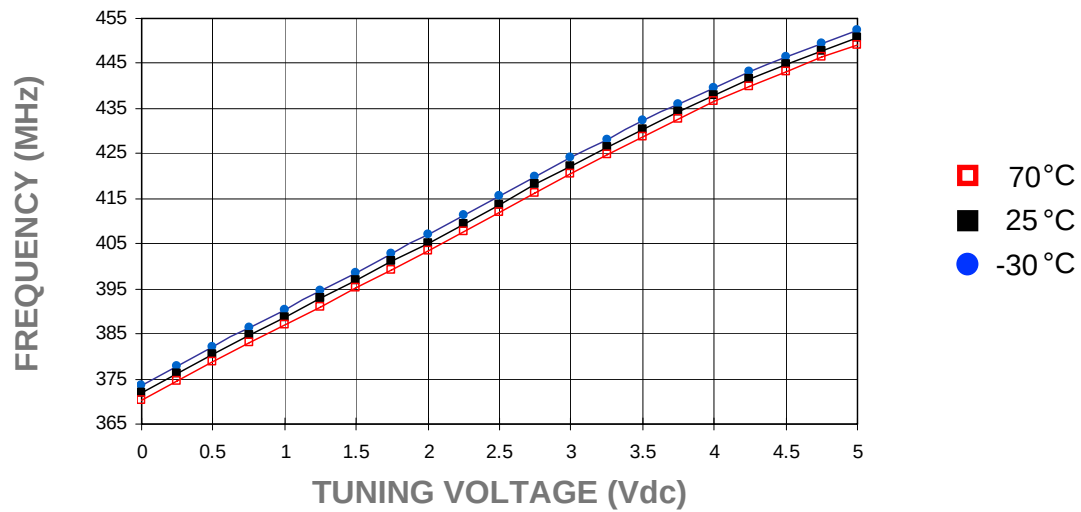
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	390		448	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-117		dBc/Hz
Harmonic Suppression (2nd)		-15	-13	dBc
Tuning Voltage	0		5	Vdc
Tuning Sensitivity (avg.)		17		MHz/V
Power Output	-7	-4	-1	dBm
Load Impedance		50		Ω
Input Capacitance			47	pF
Pushing			.5	MHz/V
Pulling (12 dB Return Loss, Any Phase)			.1	MHz
Operating Temperature Range	-30		70	$^{\circ}\text{C}$
Package Style	MINI-16-SM			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		40	44	mA

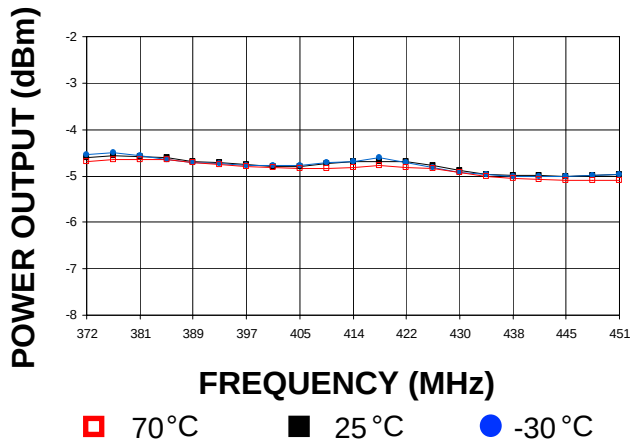
Additional Notes

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

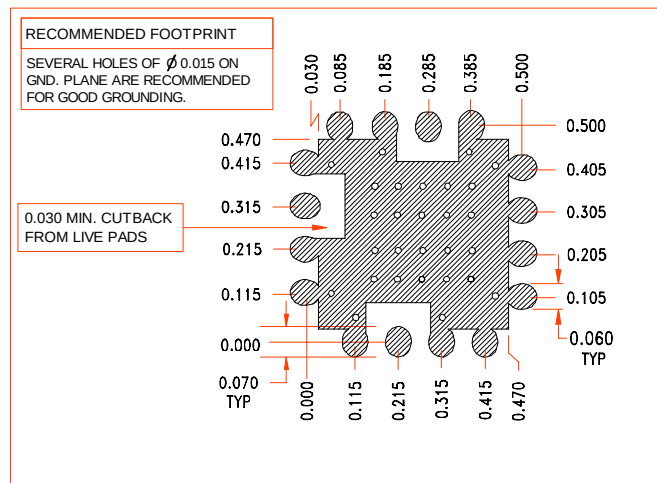
Tuning Curve, typ.



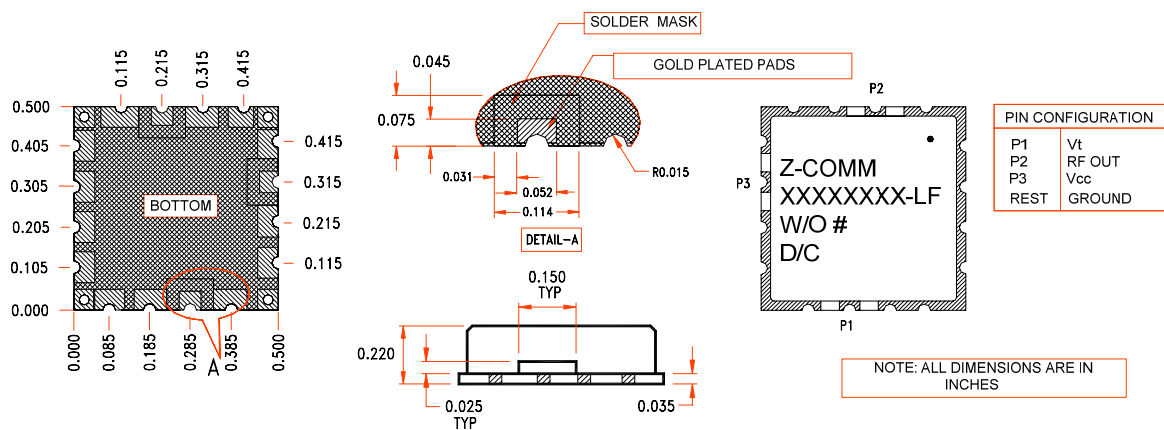
Power Curve, typ.



Footprint



Physical Dimensions



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