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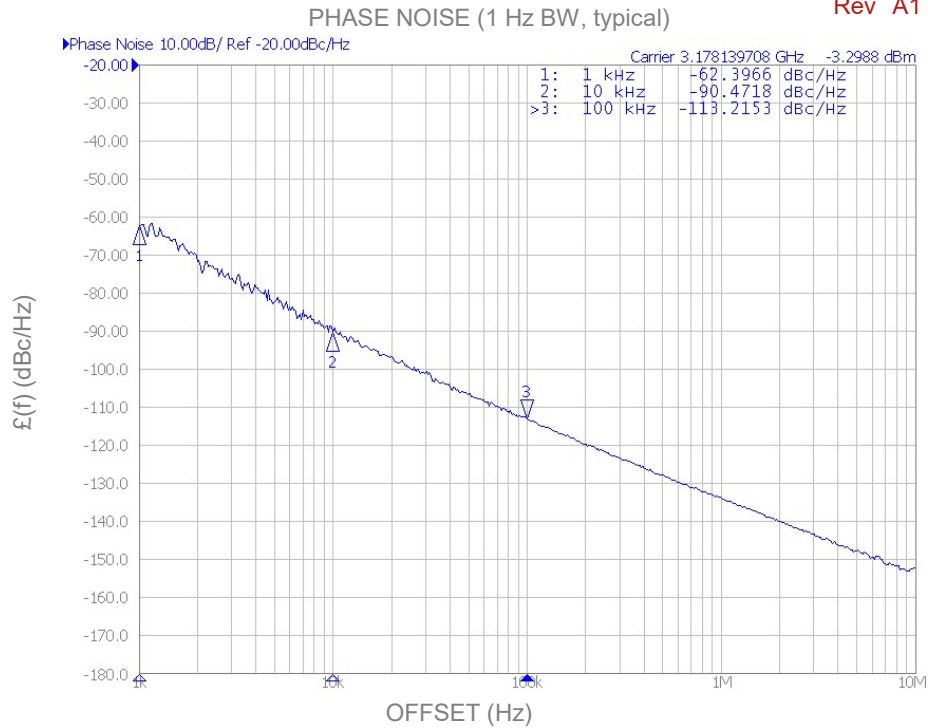
Voltage-Controlled Oscillator Surface Mount Module

Applications

Mobile Radios
 Satellite Communications

Application Notes

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



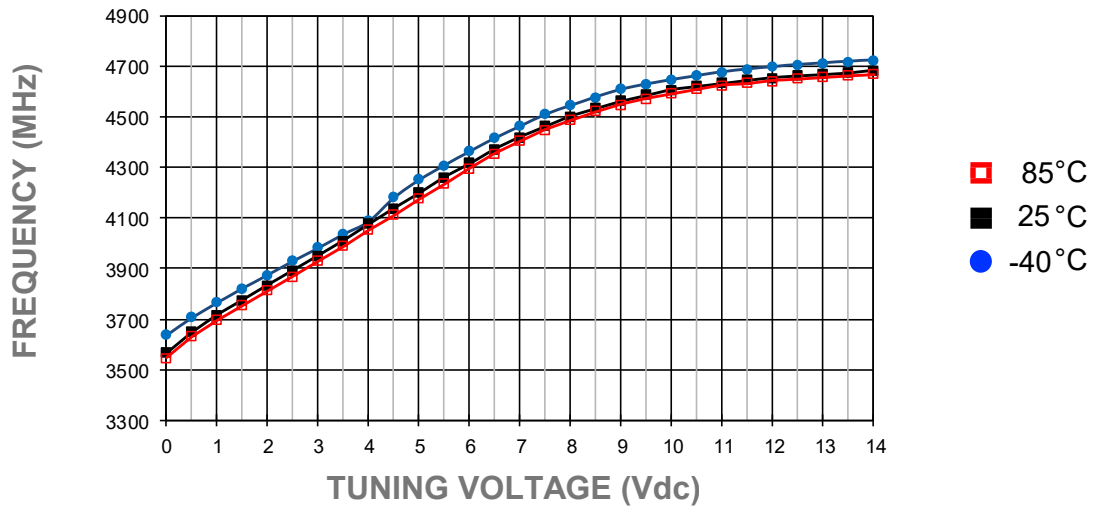
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	3775		4650	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-90		dBc/Hz
Harmonic Suppression (2nd)		-25	-22	dBc
Tuning Voltage	1		14	Vdc
Tuning Sensitivity (avg.)		90		MHz/V
Power Output	4	7	10	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			5	MHz/V
Pulling (14 dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-16		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8		Vdc
Supply Current (Icc)		34	38	mA

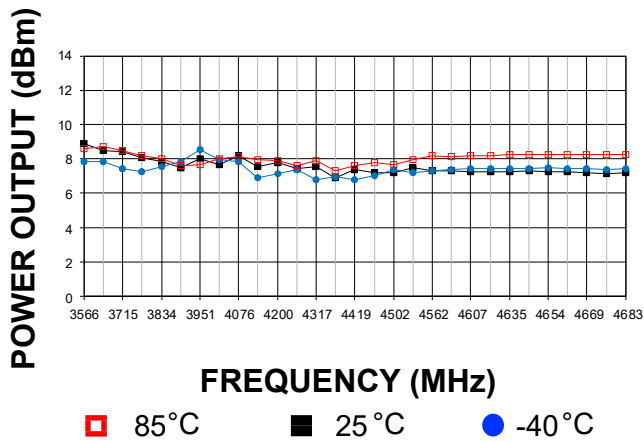
Additional Notes

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

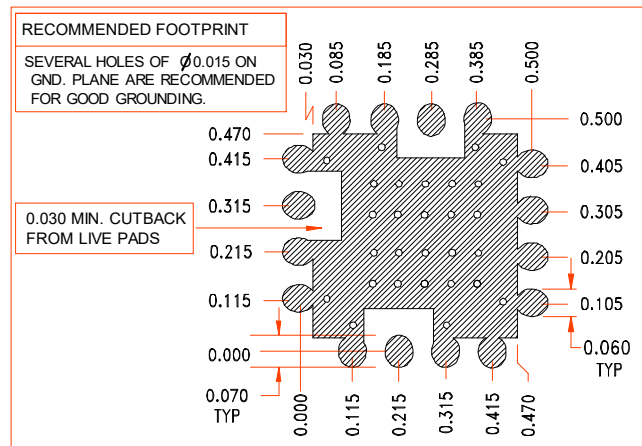
Tuning Curve, typ.



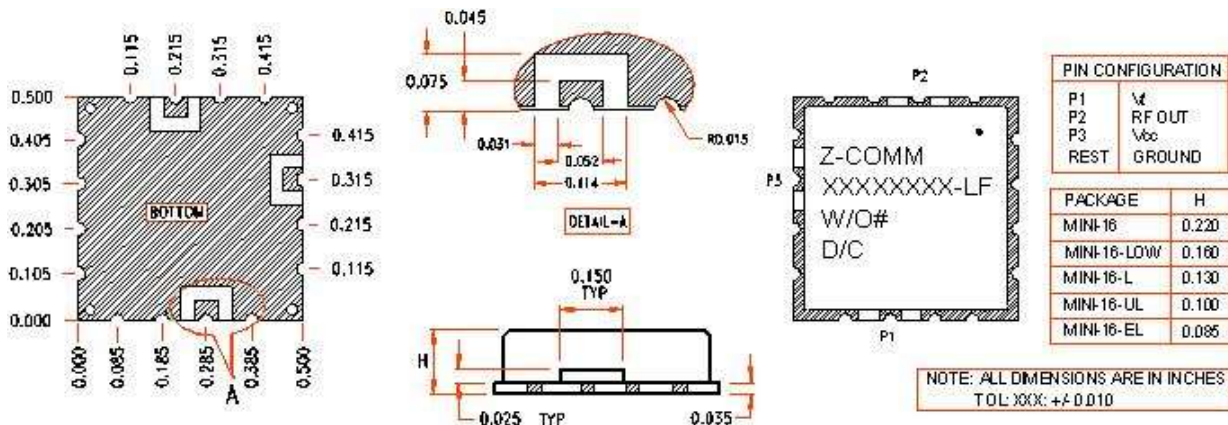
Power Curve, typ.



Footprint



Physical Dimensions



PIN CONFIGURATION	
P1	V _t
P2	RF OUT
P3	V _{cc}
REST	GROUND

PACKAGE	H
MINI-16	0.220
MINI-16-LOWV	0.180
MINI-16-L	0.130
MINI-16-UL	0.100
MINI-16-EL	0.085

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