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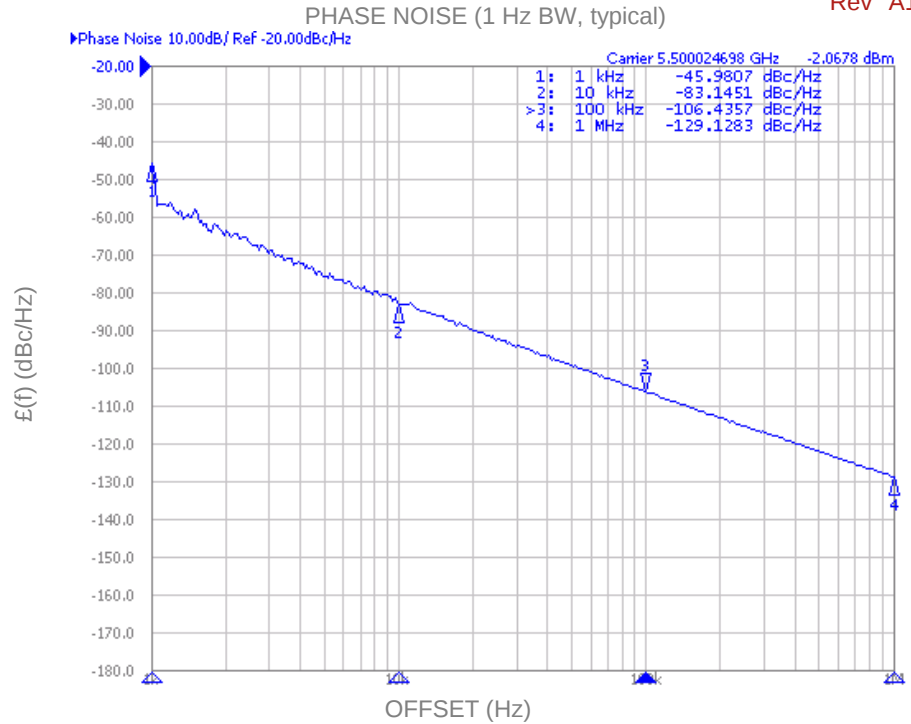
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Microwave Radios
- Satellite Communications
- Point to Multi-Point

Application Notes

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

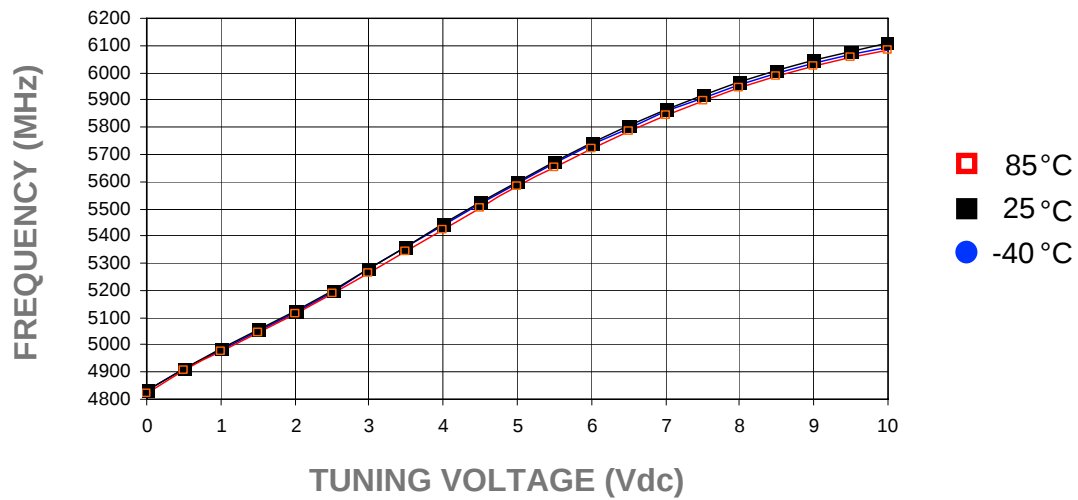


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	5000		6000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-80		dBc/Hz
Harmonic Suppression (2nd)		-35	-30	dBc
Tuning Voltage	0		10	Vdc
Tuning Sensitivity (avg.)		135		MHz/V
Power Output	0	3	6	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			20	MHz/V
Pulling (20. dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		SUB-L		

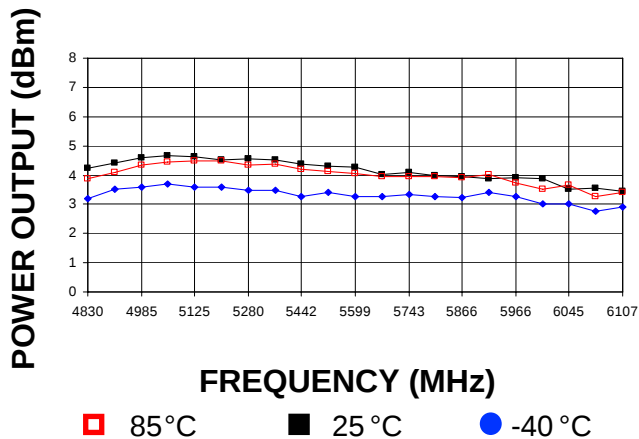
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		24	29	mA

Additional Notes

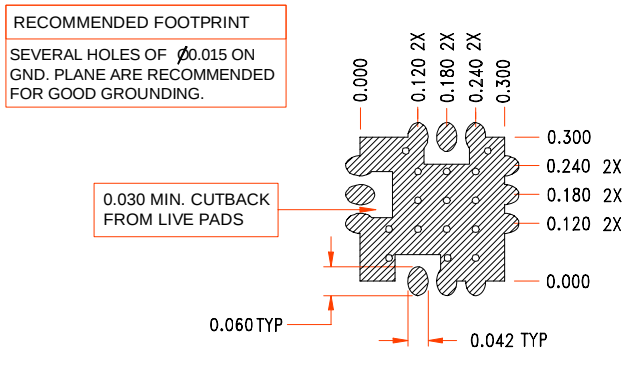
Tuning Curve, typ.



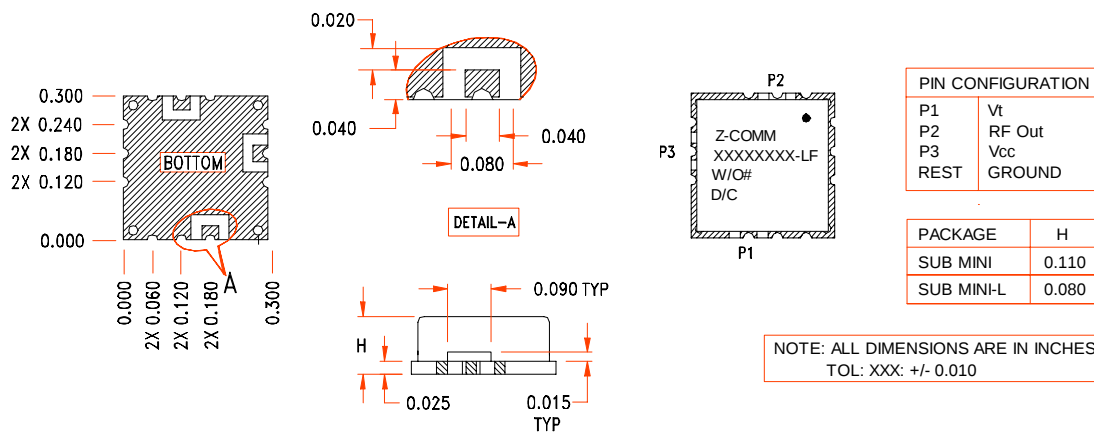
Power Curve, typ.



Footprint



Physical Dimensions



PIN CONFIGURATION	
P1	Vt
P2	RF Out
P3	Vcc
REST	GROUND

PACKAGE	H
SUB MINI	0.110
SUB MINI-L	0.080