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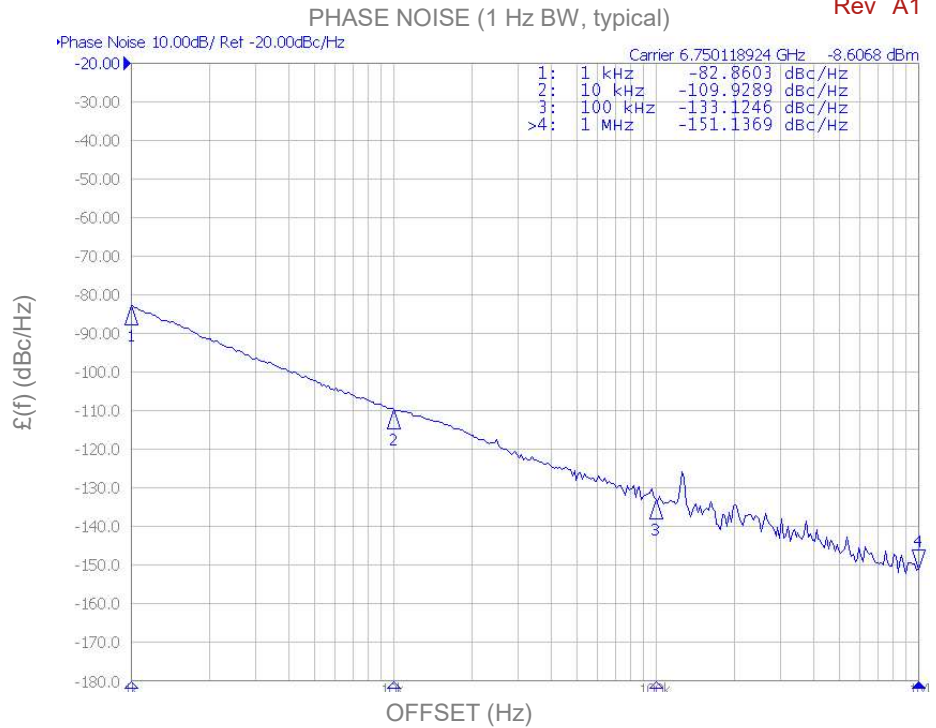
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

Satcom Equipment  
 Test Instrumentation  
 Radar Systems

### Application Notes

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



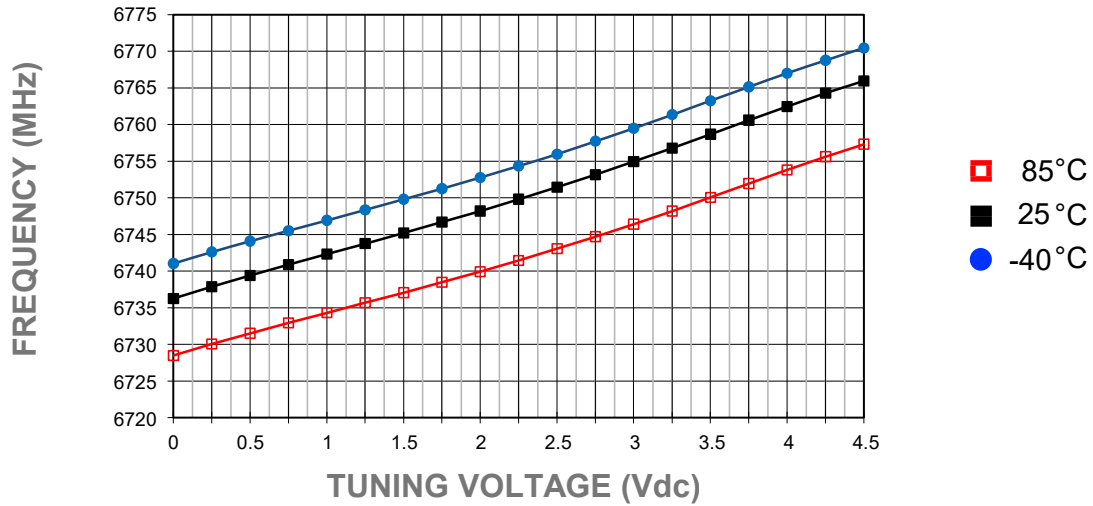
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	6750		6750	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-107		dBc/Hz
Harmonic Suppression (2nd)		-25	-22	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		5		MHz/V
Power Output	-3	0	3	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			2	MHz/V
Pulling (12 dB Return Loss, Any Phase)			2	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)		30	36	mA

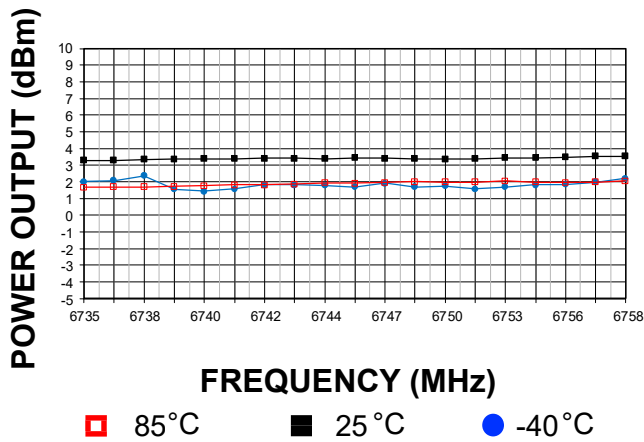
### Additional Notes

**2X FUNDAMENTAL**  
**1/2 Fo: -25dBc (typ)**

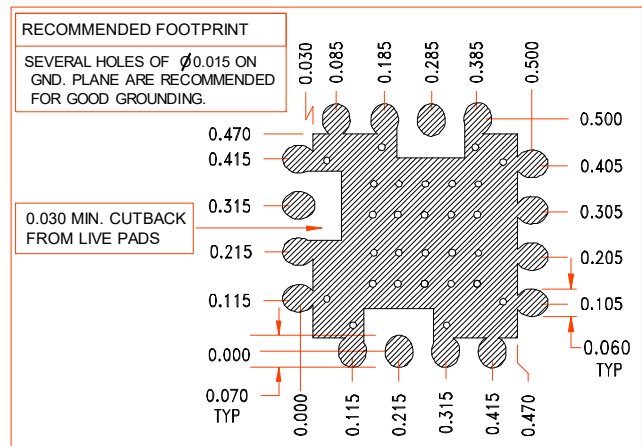
Tuning Curve, typ.



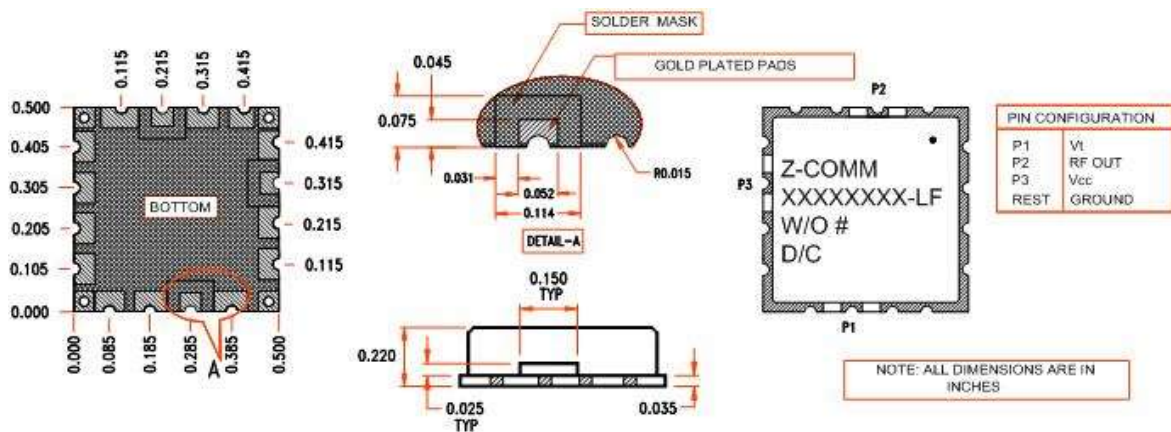
Power Curve, typ.



Footprint



Physical Dimensions



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