

TEL: (858) 621-2700  
 URL: www.zcomm.com  
 EMAIL: applications@zcomm.com

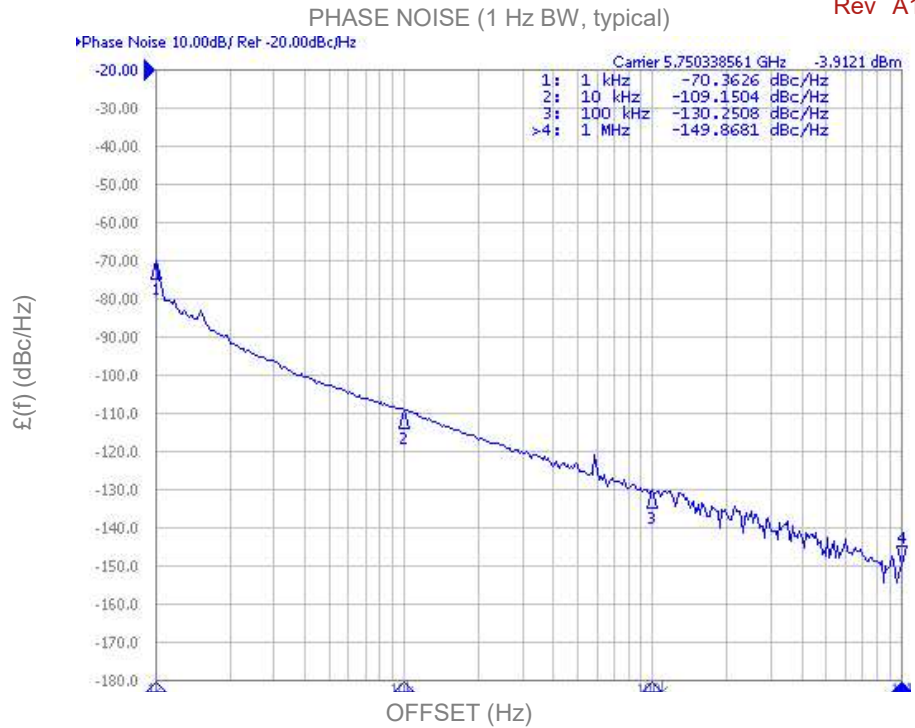
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

Satcom Equipment  
 Radar Systems

### Application Notes

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



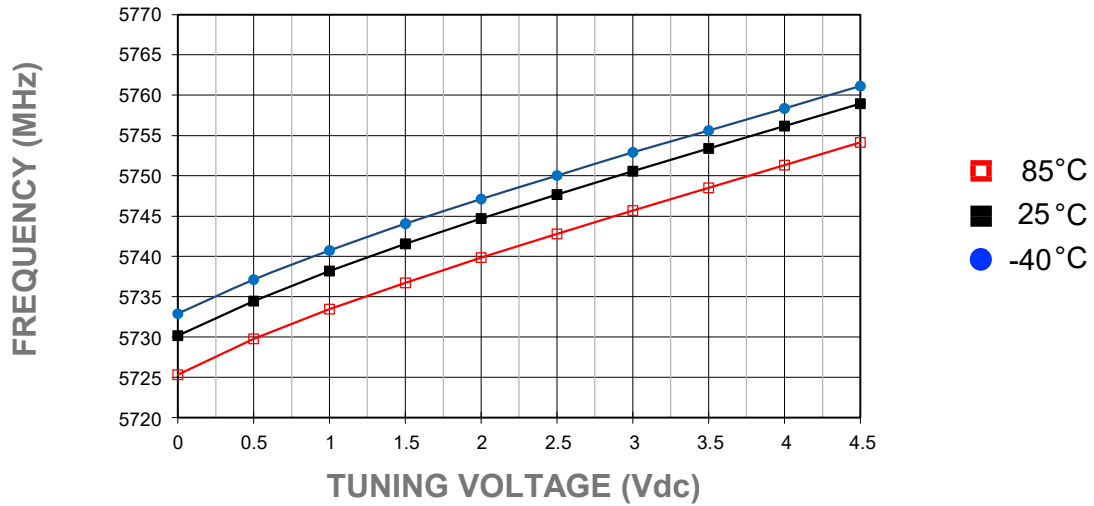
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	5750		5750	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-107		dBc/Hz
Harmonic Suppression (2nd)		-25	-20	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		8		MHz/V
Power Output	0	3.5	7	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			1	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)		28	35	mA

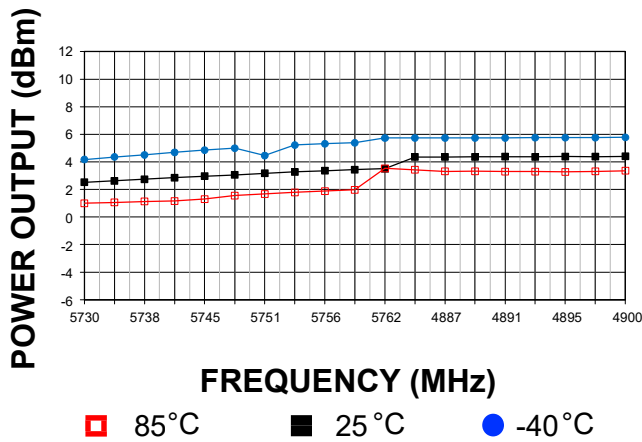
### Additional Notes

**Harmonic,  $F \times (0.5)$ : -20dBc, typ.**  
**Harmonic,  $F \times (1.5)$ : -25dBc, typ.**

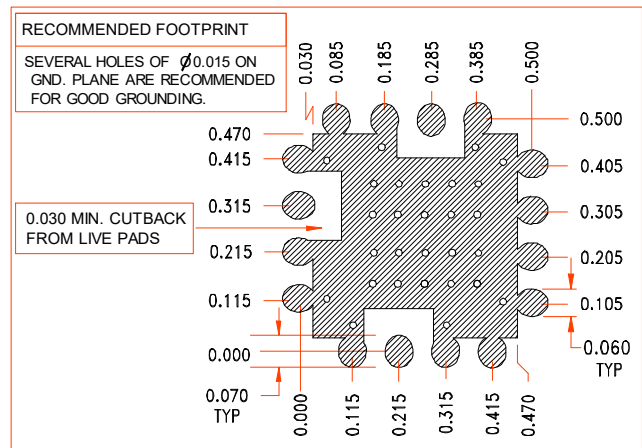
Tuning Curve, typ.



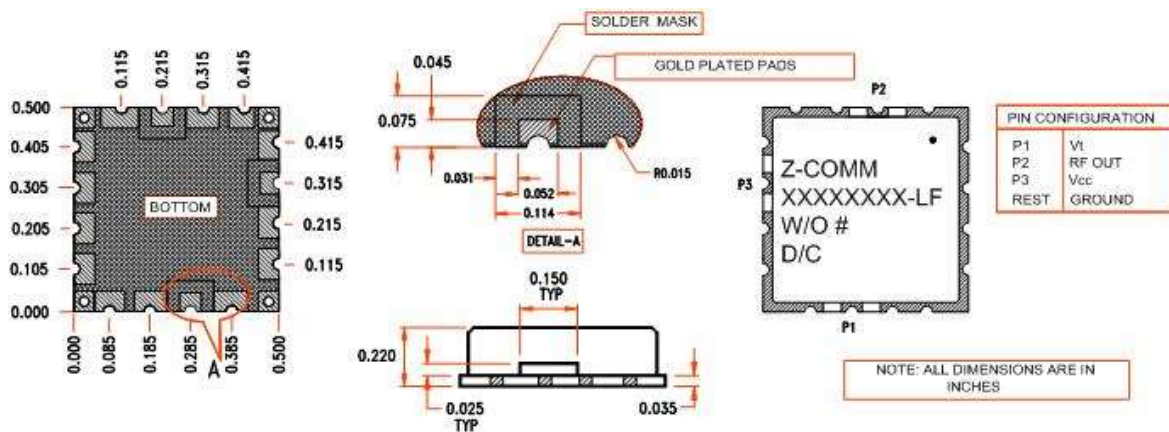
Power Curve, typ.



Footprint



Physical Dimensions



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