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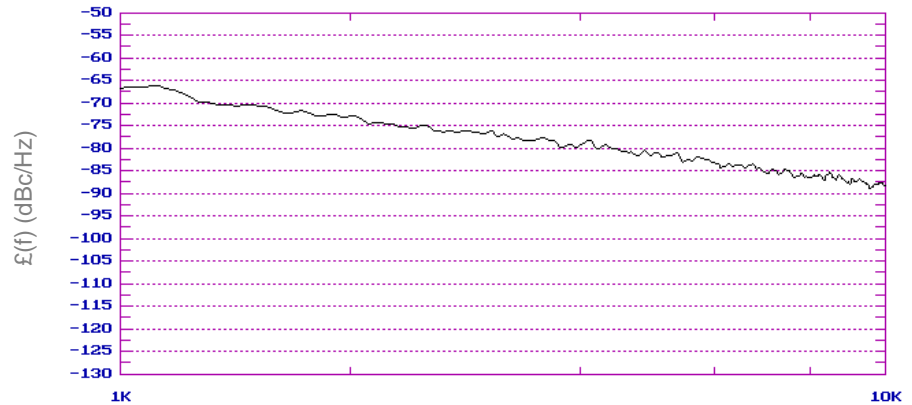
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- VSAT
- Earthstations
- Mobile Radios

### Application Notes

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



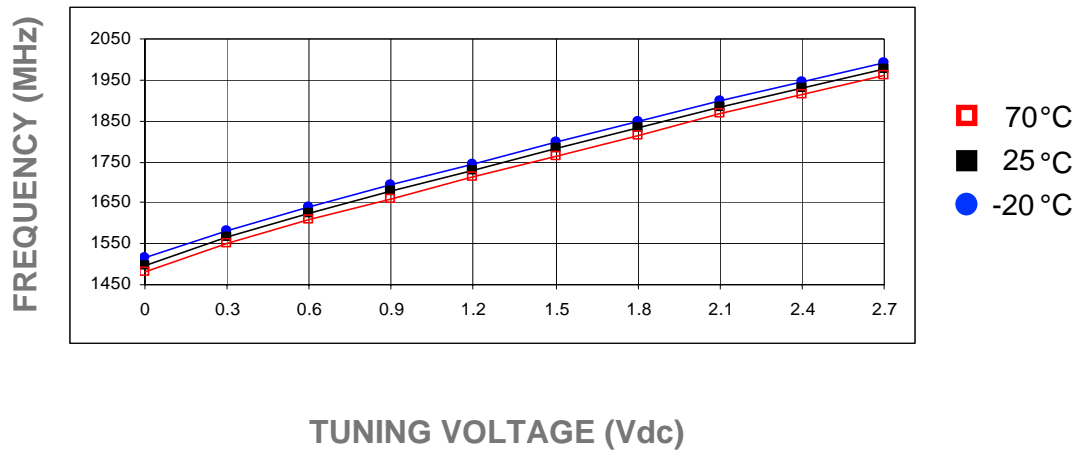
OFFSET (Hz)

Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1680		1760	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-88		dBc/Hz
Harmonic Suppression (2nd)		-10	-8	dBc
Tuning Voltage	0.3		2.7	Vdc
Tuning Sensitivity (avg.)		142		MHz/V
Power Output	4	7.25	10.5	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			20	MHz/V
Pulling (14 dB Return Loss, Any Phase)			25	MHz
Operating Temperature Range	-20		70	$^{\circ}\text{C}$
Package Style		SUB-L		

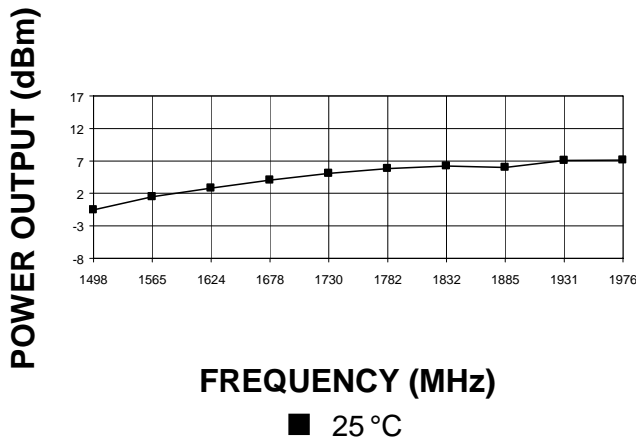
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		3		Vdc
Supply Current (Icc)		14	17	mA

### Additional Notes

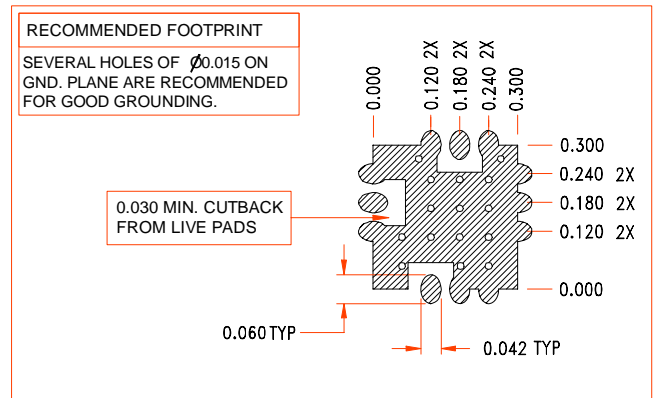
Tuning Curve, typ.



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

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