

Voltage-Controlled Oscillator Surface Mount Module

Applications

- Basestations
- Satellite Communications
-

Application Notes

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

$\mathcal{L}(f)$ (dBc/Hz)

OFFSET (Hz)

Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1854		1922	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-112		dBc/Hz
Harmonic Suppression (2nd)		-20	-17	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		20		MHz/V
Power Output	-3	0	3	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (12 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-30		80	°C
Package Style	MINI-16-SM			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		25	30	mA

Additional Notes

Tuning Curve, typ.

FREQUENCY (MHz)

80 °C
25 °C
-30 °C

TUNING VOLTAGE (Vdc)

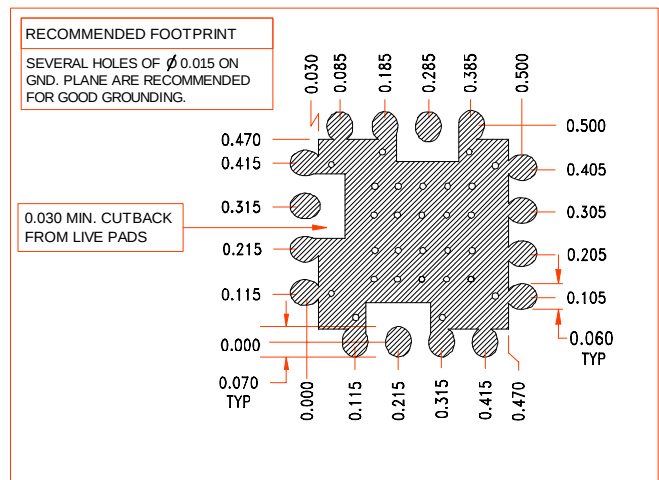
Power Curve, typ.

Footprint

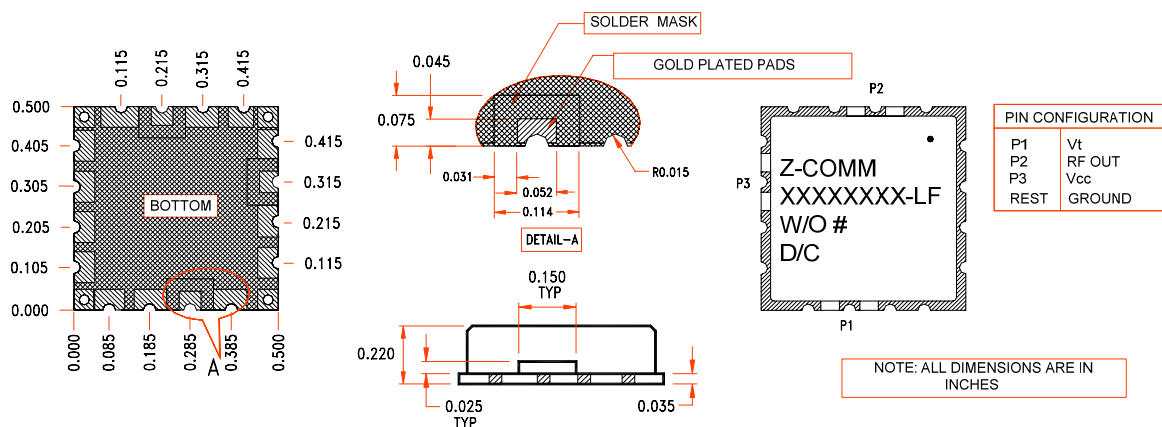
POWER OUTPUT (dBm)

80 °C
25 °C
-30 °C

FREQUENCY (MHz)



Physical Dimensions



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