

Voltage Controlled Oscillator MW500-1408



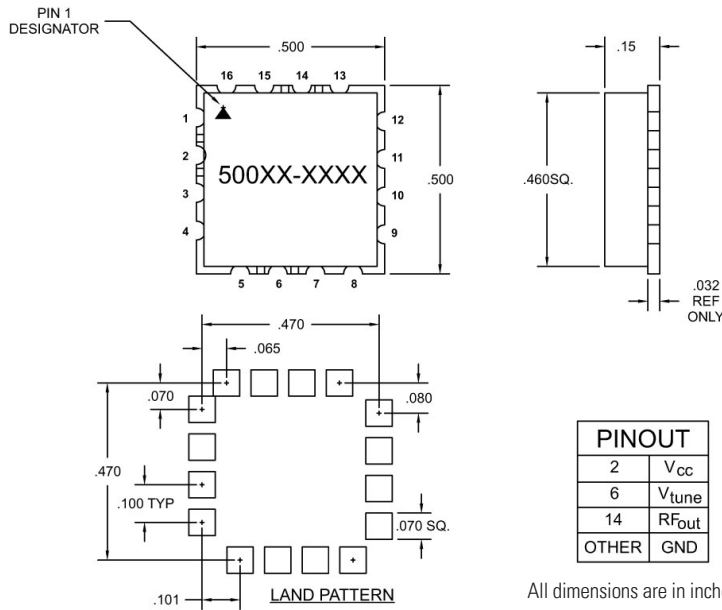
Specifications are subject to change without notice

Specifications

Parameter	Value
Frequency	3070 MHz to 3340 MHz
Tuning Voltage	0.5/4.5 V
Power Output	5 +/- 3 dBm
Phase Noise	10 kHz Offset -92 (typ) dBc/Hz, 100 kHz Offset -112 (typ) dBc/Hz
Frequency Pushing	10 MHz/V
Frequency Pulling	20 MHz
Harmonic Suppression	-15 (MAX)
Supply Voltage	5 Vcc
Supply Current	40 mA
Load Impedance	50
Operating Temperature	-40 to 85 °C

Phase noise @ 3KHz to be -70, Phase noise @ 400KHz to be -122 Kv within band of interest to be 75-100MHz per volt. Also note VCO will operate at -55 degrees C with little degradation in performance to the spec. Pulling spec is with 12dB return loss VSWR

Outline Drawing



All dimensions are in inches

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