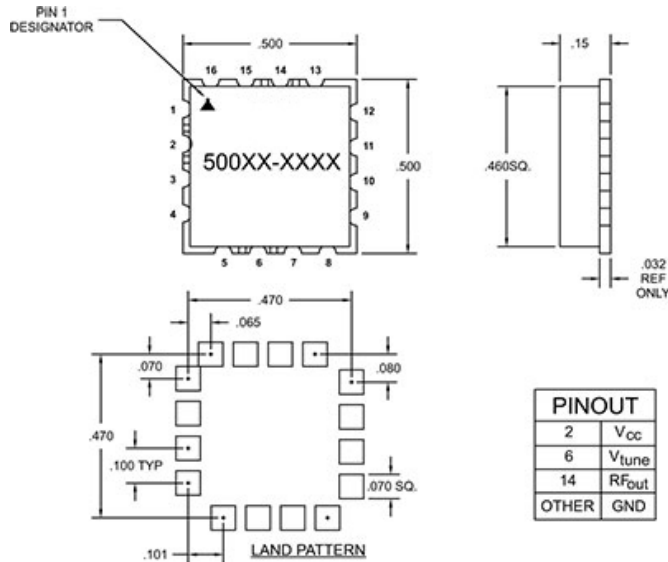


MW500-1471

590 MHz to 610 MHz

VOLTAGE CONTROLLED OSCILLATORS



Specifications

Frequency	590 MHz to 610 MHz
Tuning Voltage	1/4.5 V
Power Output	5 +/- 2 dBm
Phase Noise	10 kHz Offset -99 (typ) dBc/Hz 100 kHz Offset -120 (typ) dBc/Hz
Frequency Pushing	2 MHz/V
Frequency Pulling	2 MHz
Harmonic Suppression	-12 (MAX)

Operating Specifications

Supply Voltage	5 V _{cc}
Supply Current	25 mA
Load Impedance	50
Operating Temperature	-55 to 85 °C

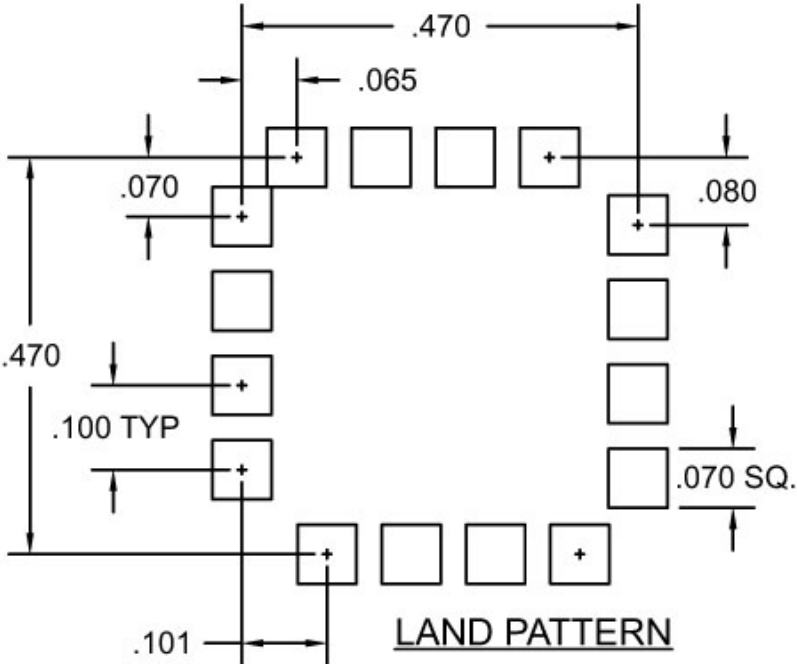
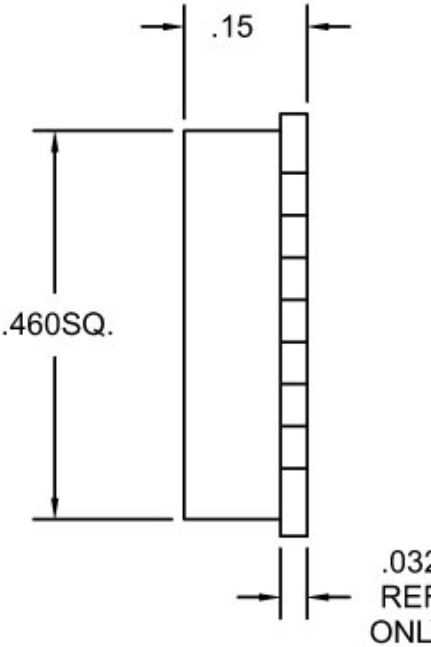
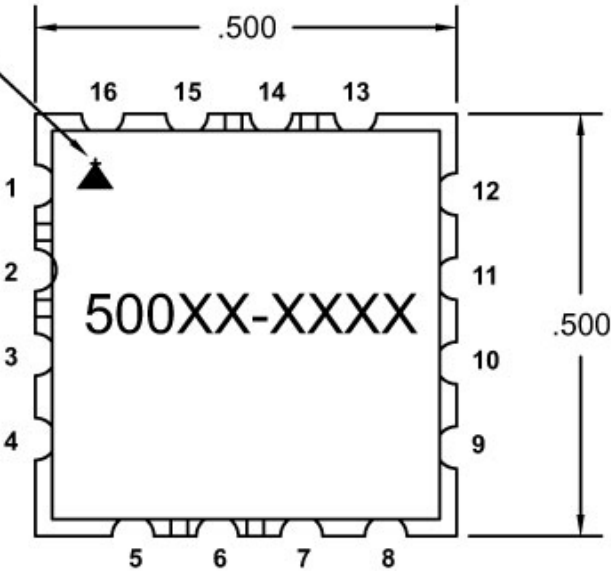
Notes

MW500-1471 will tune from 598-603 MHz from 1-4.5 volts over temperature range of -55 to 85 C. Will tune from 590-605 MHz from 0.5-5 volts over temperature range of -40 to 75 C.



MERCURY COMMERCIAL ELECTRONICS

PIN 1
DESIGNATOR



PINOUT	
2	V_{cc}
6	V_{tune}
14	RF_{out}
OTHER	GND