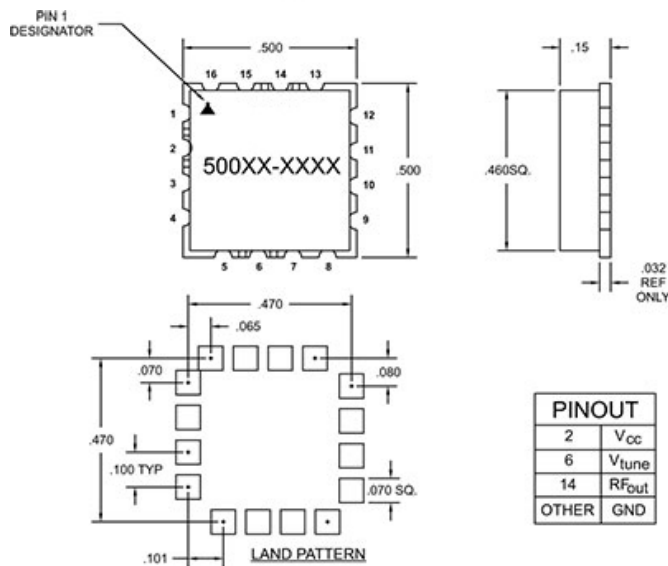


MW500-1365

184 MHz to 295 MHz

VOLTAGE CONTROLLED OSCILLATORS



Specifications

Frequency	184 MHz to 295 MHz
Tuning Voltage	1/5 V
Power Output	7 +/- 2 dBm
Phase Noise	

10 kHz Offset -100 (typ) dBc/Hz

100 kHz Offset -122 (typ) dBc/Hz

Frequency Pushing	1 MHz/V
Frequency Pulling	1 MHz
Harmonic Suppression	-8 (MAX)

Operating Specifications

Supply Voltage	5 V _{cc}
Supply Current	40 mA
Load Impedance	50
Operating Temperature	-40 to 80 °C

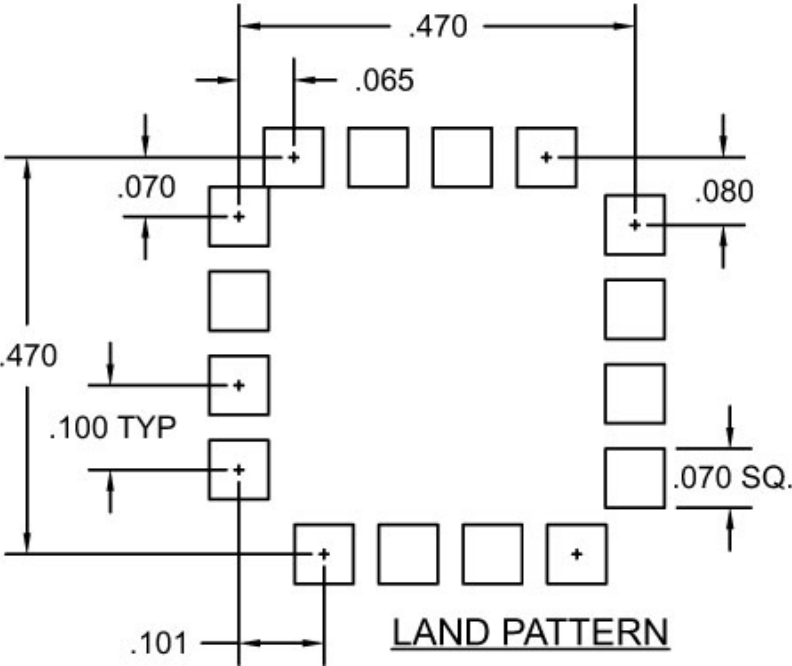
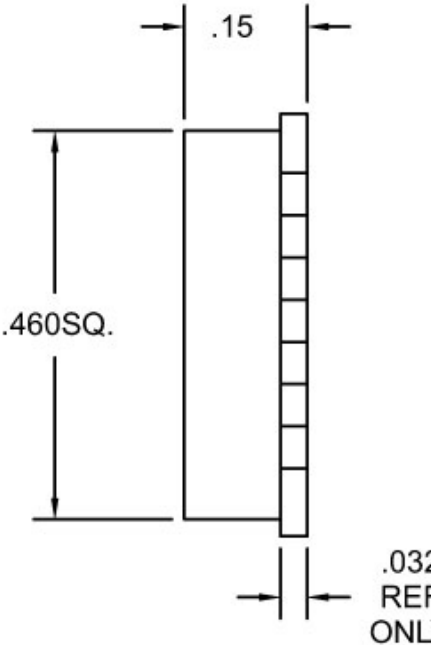
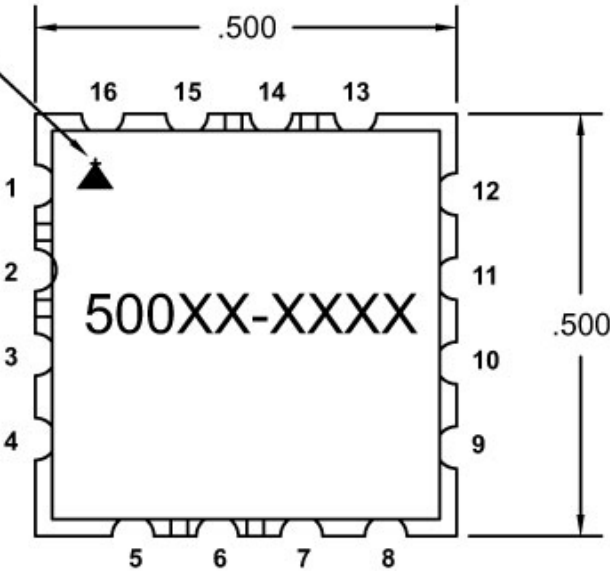
Notes

PHASE NOISE IS EFFECTED BY QUICK TUNING TO ACHIEVE THE BAND OVER 1-5 VOLTS TUNING. AND HARMONICS CAN BE LOWER IF BUFEING IS USD PER THE CUSTOMERS REQUEST.



MERCURY COMMERCIAL ELECTRONICS

PIN 1
DESIGNATOR



PINOUT	
2	V _{cc}
6	V _{tune}
14	RF _{out}
OTHER	GND