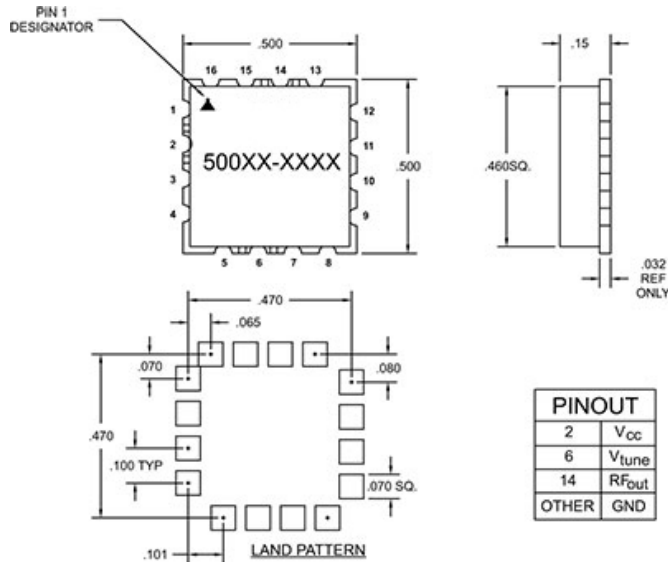


# MW500-1368

## 2000 MHz to 2600 MHz

### VOLTAGE CONTROLLED OSCILLATORS



## Specifications

|                      |                                                                    |
|----------------------|--------------------------------------------------------------------|
| Frequency            | 2000 MHz to 2600 MHz                                               |
| Tuning Voltage       | 1/8 V                                                              |
| Power Output         | 7 +/- 2 dBm                                                        |
| Phase Noise          | 10 kHz Offset -93 (typ) dBc/Hz<br>100 kHz Offset -116 (typ) dBc/Hz |
| Frequency Pushing    | 10 MHz/V                                                           |
| Frequency Pulling    | 25 MHz                                                             |
| Harmonic Suppression | -15 (MAX)                                                          |

## Operating Specifications

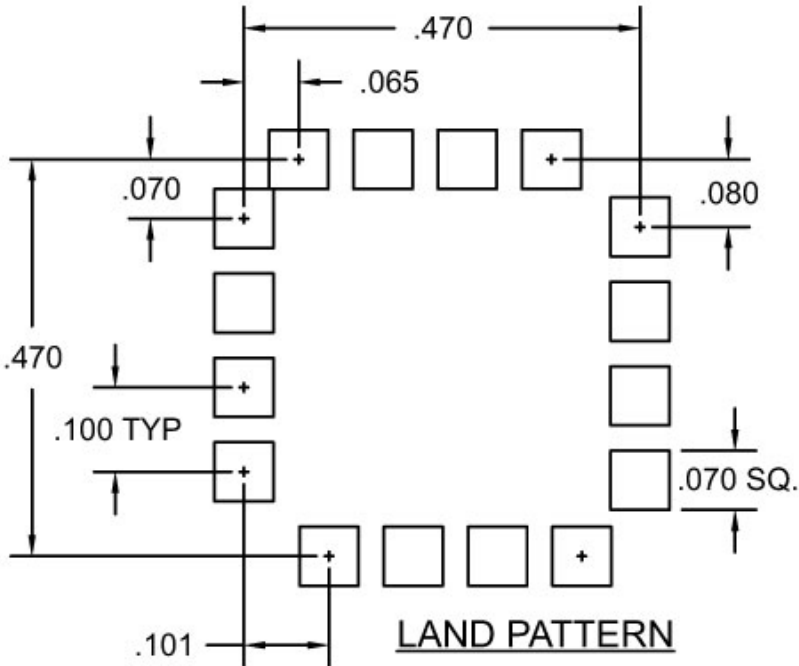
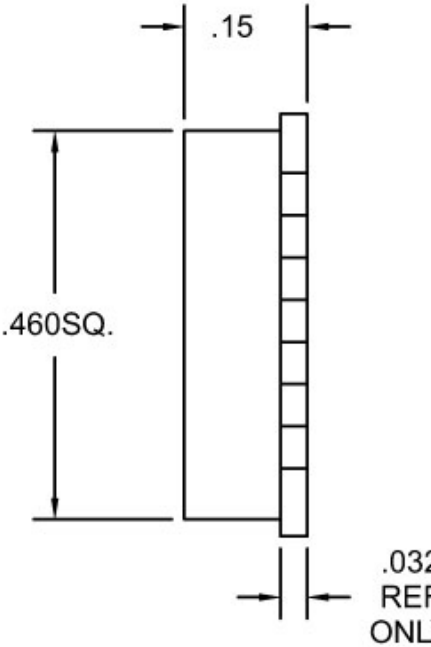
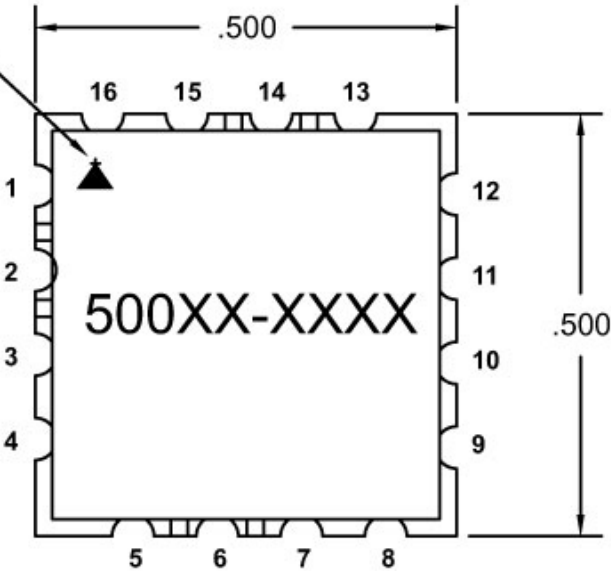
|                       |                   |
|-----------------------|-------------------|
| Supply Voltage        | 5 V <sub>cc</sub> |
| Supply Current        | 40 mA             |
| Load Impedance        | 50                |
| Operating Temperature | 0 to 70 °C        |

## Notes



MERCURY COMMERCIAL ELECTRONICS

PIN 1  
DESIGNATOR



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