

# MW500-1411

## 5800 MHz to 5800 MHz

### VOLTAGE CONTROLLED OSCILLATORS



## Specifications

|                      |                                                                    |
|----------------------|--------------------------------------------------------------------|
| Frequency            | 5800 MHz to 5800 MHz                                               |
| Tuning Voltage       | 0.5/4.5 V                                                          |
| Power Output         | 5 +/- 1.5 dBm                                                      |
| Phase Noise          | 10 kHz Offset -83 (typ) dBc/Hz<br>100 kHz Offset -105 (typ) dBc/Hz |
| Frequency Pushing    | 11 MHz/V                                                           |
| Frequency Pulling    | 19 MHz                                                             |
| Harmonic Suppression | -20 (MAX)                                                          |

## Operating Specifications

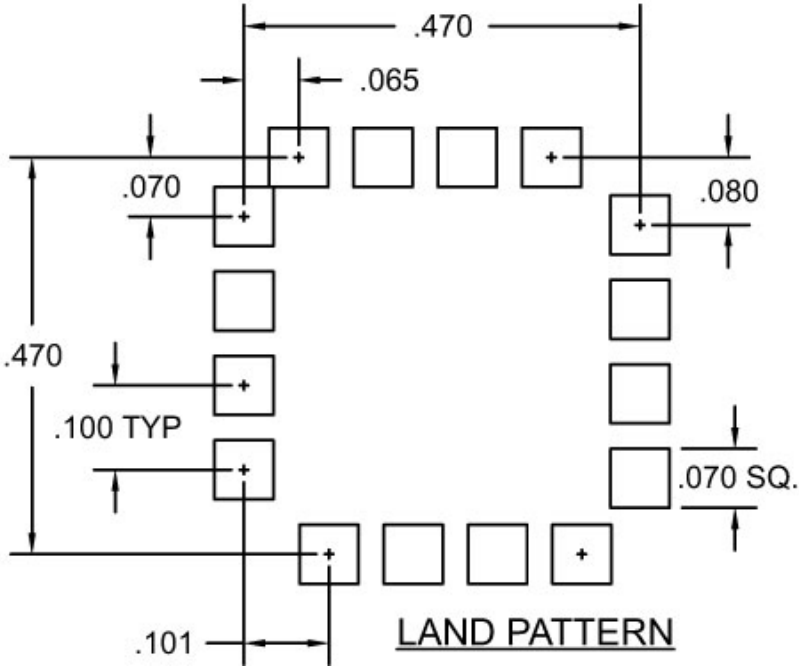
|                       |                   |
|-----------------------|-------------------|
| Supply Voltage        | 5 V <sub>cc</sub> |
| Supply Current        | 35 mA             |
| Load Impedance        | 50                |
| Operating Temperature | -40 to 85 °C      |

## Notes



MERCURY COMMERCIAL ELECTRONICS

PIN 1  
DESIGNATOR



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