

# MW500-1391

## 4300 MHz to 5300 MHz

### VOLTAGE CONTROLLED OSCILLATORS



## Specifications

|                |                      |
|----------------|----------------------|
| Frequency      | 4300 MHz to 5300 MHz |
| Tuning Voltage | 1/20 V               |
| Power Output   | 0 +/- 2 dBm          |
| Phase Noise    |                      |

10 kHz Offset -85 (typ) dBc/Hz  
 100 kHz Offset -105 (typ) dBc/Hz

|                      |           |
|----------------------|-----------|
| Frequency Pushing    | 5 MHz/V   |
| Frequency Pulling    | 5 MHz     |
| Harmonic Suppression | -15 (MAX) |

## Operating Specifications

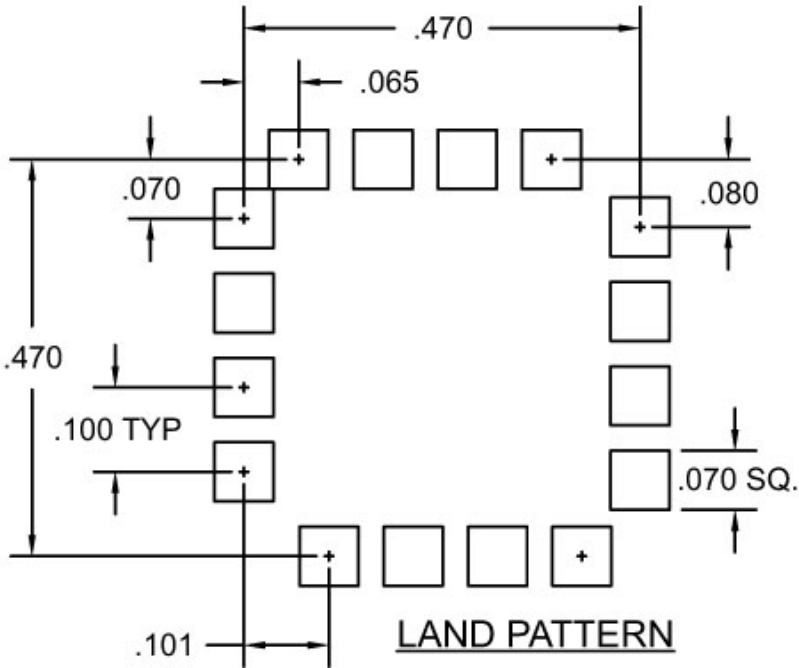
|                       |                   |
|-----------------------|-------------------|
| Supply Voltage        | 5 V <sub>cc</sub> |
| Supply Current        | 35 mA             |
| Load Impedance        | 50                |
| Operating Temperature | -30 to 75 °C      |

## Notes



MERCURY COMMERCIAL ELECTRONICS

PIN 1  
DESIGNATOR



| PINOUT |                   |
|--------|-------------------|
| 2      | V <sub>cc</sub>   |
| 6      | V <sub>tune</sub> |
| 14     | RF <sub>out</sub> |
| OTHER  | GND               |