

# MW500-1517

## 668 MHz to 703 MHz

### VOLTAGE CONTROLLED OSCILLATORS



## Specifications

|                      |                                                                     |
|----------------------|---------------------------------------------------------------------|
| Frequency            | 668 MHz to 703 MHz                                                  |
| Tuning Voltage       | 1/4 V                                                               |
| Power Output         | 7 +/- 2 dBm                                                         |
| Phase Noise          | 10 kHz Offset -100 (typ) dBc/Hz<br>100 kHz Offset -121 (typ) dBc/Hz |
| Frequency Pushing    | 1 MHz/V                                                             |
| Frequency Pulling    | 1 MHz                                                               |
| Harmonic Suppression | -12 (MAX)                                                           |

## Operating Specifications

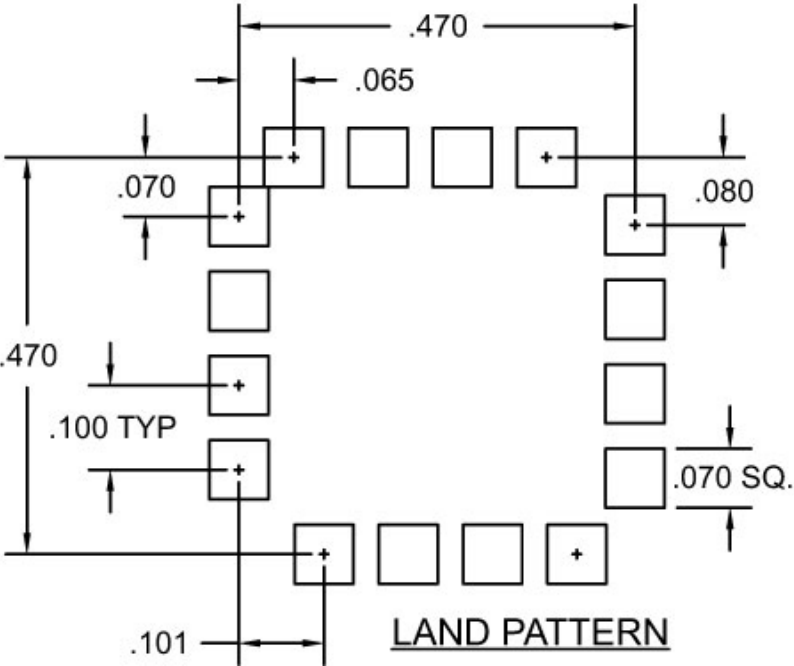
|                       |                   |
|-----------------------|-------------------|
| Supply Voltage        | 5 V <sub>cc</sub> |
| Supply Current        | 20 mA             |
| Load Impedance        | 50                |
| Operating Temperature | -40 to 80 °C      |

## 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               |