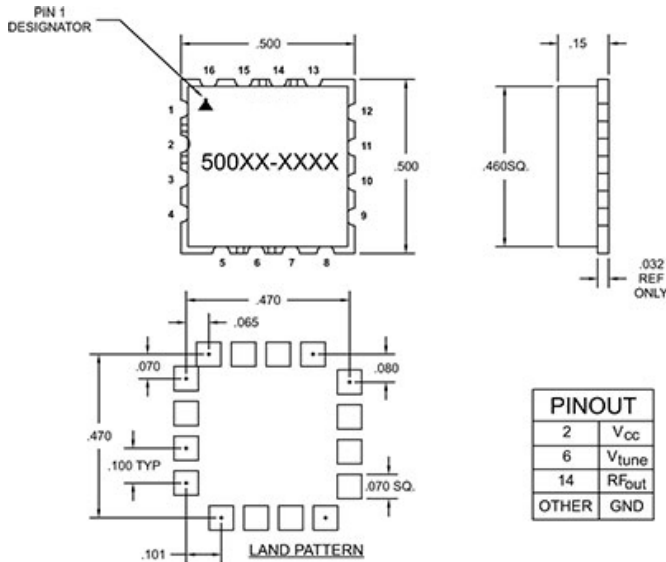


# MW500-1407

## 3250 MHz to 3250 MHz

### VOLTAGE CONTROLLED OSCILLATORS



## Specifications

|                |                      |
|----------------|----------------------|
| Frequency      | 3250 MHz to 3250 MHz |
| Tuning Voltage | 0.5/4.5 V            |
| Power Output   | 2 +/- 2 dBm          |
| Phase Noise    |                      |

10 kHz Offset -98 (typ) dBc/Hz  
100 kHz Offset -118 (typ) dBc/Hz

|                      |           |
|----------------------|-----------|
| Frequency Pushing    | 5 MHz/V   |
| Frequency Pulling    | 10 MHz    |
| Harmonic Suppression | -22 (MAX) |

## Operating Specifications

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

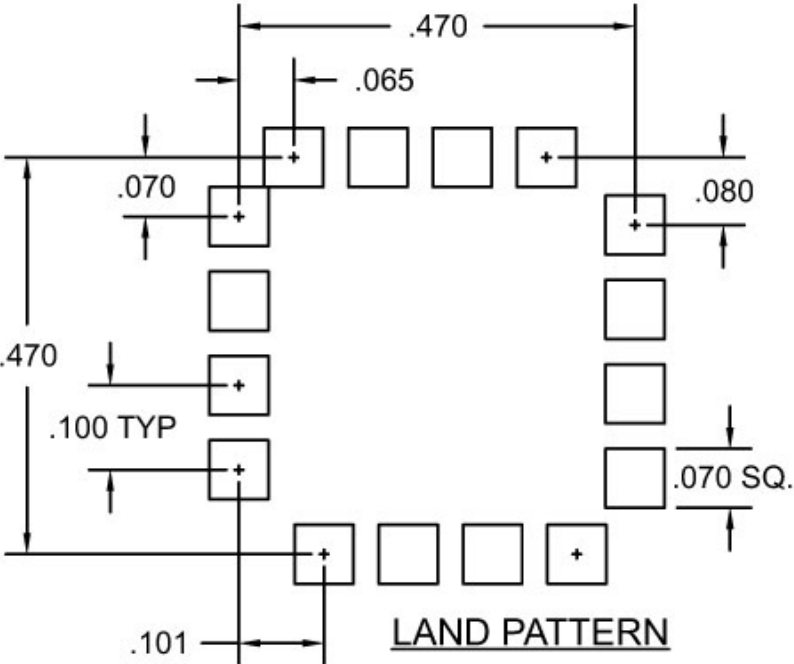
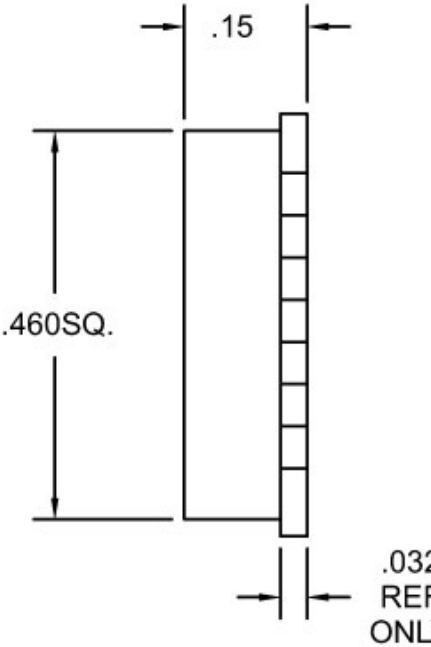
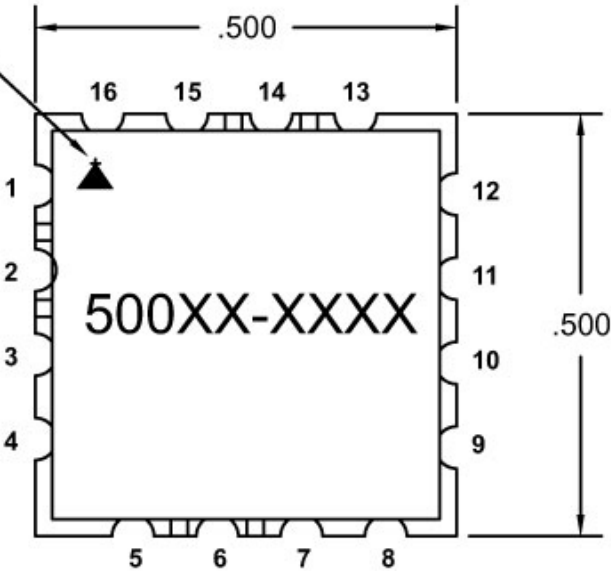
## Notes

MICRONETICS WILL GUARANTEE PHASE NOISE OF -95 AS THE MAXIMUM (WORSE CASE) ON ALL PARTS BUILT AND SHIPPED. THE TYPICAL PHASE NOISE WILL BE -98 @10 KHZ.



MERCURY COMMERCIAL ELECTRONICS

PIN 1  
DESIGNATOR



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