

# MW500-1662

## 2500 MHz to 4500 MHz

### VOLTAGE CONTROLLED OSCILLATORS



## Specifications

|                      |                                                                    |
|----------------------|--------------------------------------------------------------------|
| Frequency            | 2500 MHz to 4500 MHz                                               |
| Tuning Voltage       | 0.5/15 V                                                           |
| Power Output         | 5 +/- 2 dBm                                                        |
| Phase Noise          | 10 kHz Offset -82 (typ) dBc/Hz<br>100 kHz Offset -106 (typ) dBc/Hz |
| Frequency Pushing    | 13 MHz/V                                                           |
| Frequency Pulling    | 40 MHz                                                             |
| Harmonic Suppression | -15 (MAX)                                                          |

## Operating Specifications

|                       |                   |
|-----------------------|-------------------|
| Supply Voltage        | 5 V <sub>cc</sub> |
| Supply Current        | 30 mA             |
| Load Impedance        | 50                |
| Operating Temperature | -40 to 85 °C      |

## Notes

turn on < 0 us within 5 degrees of final phase



MERCURY COMMERCIAL ELECTRONICS

PIN 1  
DESIGNATOR



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