

# MW500-1516

## 225 MHz to 440 MHz

### VOLTAGE CONTROLLED OSCILLATORS



## Specifications

|                      |                                                                    |
|----------------------|--------------------------------------------------------------------|
| Frequency            | 225 MHz to 440 MHz                                                 |
| Tuning Voltage       | 0.5/8 V                                                            |
| Power Output         | 4 +/- 1.5 dBm                                                      |
| Phase Noise          | 10 kHz Offset -98 (typ) dBc/Hz<br>100 kHz Offset -119 (typ) dBc/Hz |
| Frequency Pushing    | 5 MHz/V                                                            |
| Frequency Pulling    | 7 MHz                                                              |
| Harmonic Suppression | -6 (MAX)                                                           |

## Operating Specifications

|                       |              |
|-----------------------|--------------|
| Supply Voltage        | 6 Vcc        |
| Supply Current        | 30 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               |