

# MW500-1290

## 3180 MHz to 3350 MHz

### VOLTAGE CONTROLLED OSCILLATORS



## Specifications

|                |                      |
|----------------|----------------------|
| Frequency      | 3180 MHz to 3350 MHz |
| Tuning Voltage | 0.5/4.5 V            |
| Power Output   | 3 +/- 1.5 dBm        |
| Phase Noise    |                      |

10 kHz Offset -97 (typ) dBc/Hz  
100 kHz Offset -118 (typ) dBc/Hz

|                      |           |
|----------------------|-----------|
| Frequency Pushing    | 3 MHz/V   |
| Frequency Pulling    | 10 MHz    |
| Harmonic Suppression | -20 (MAX) |

## Operating Specifications

|                       |                   |
|-----------------------|-------------------|
| Supply Voltage        | 5 V <sub>cc</sub> |
| Supply Current        | 35 mA             |
| Load Impedance        | 50                |
| Operating Temperature | -40 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               |