

# MW500-1608F

## 2461 MHz to 2613 MHz

### VOLTAGE CONTROLLED OSCILLATORS



## Specifications

|                |                      |
|----------------|----------------------|
| Frequency      | 2461 MHz to 2613 MHz |
| Tuning Voltage | 0.5/10.75 V          |
| Power Output   | 5 +/- 2 dBm          |
| Phase Noise    |                      |

10 kHz Offset -89 (typ) dBc/Hz  
100 kHz Offset -109 (typ) dBc/Hz

|                      |           |
|----------------------|-----------|
| Frequency Pushing    | 5 MHz/V   |
| Frequency Pulling    | 8 MHz     |
| Harmonic Suppression | -12 (MAX) |

## Operating Specifications

|                       |              |
|-----------------------|--------------|
| Supply Voltage        | 8 Vcc        |
| Supply Current        | 50 mA        |
| Load Impedance        | 50           |
| Operating Temperature | -40 to 85 °C |

## Notes

Kv for this VCO will be between 18-34MHz per volt within the operating frequency of 2461-2613MHz over the full temperature range.



MERCURY COMMERCIAL ELECTRONICS

PIN 1  
DESIGNATOR



| PINOUT |                   |
|--------|-------------------|
| 2      | V <sub>cc</sub>   |
| 6      | V <sub>tune</sub> |
| 14     | R <sub>Fout</sub> |
| OTHER  | GND               |