

MW500-1566

3180 MHz to 4090 MHz

VOLTAGE CONTROLLED OSCILLATORS



Specifications

Frequency	3180 MHz to 4090 MHz
Tuning Voltage	1/20 V
Power Output	5 +/- 2 dBm
Phase Noise	

10 kHz Offset -80 (typ) dBc/Hz
100 kHz Offset -105 (typ) dBc/Hz

Frequency Pushing	10 MHz/V
Frequency Pulling	15 MHz
Harmonic Suppression	-15 (MAX)

Operating Specifications

Supply Voltage	5 V _{cc}
Supply Current	35 mA
Load Impedance	50
Operating Temperature	-30 to 85 °C

Notes

VCO will have a tuning input capacitance of 100pF maximum. VCO will produce a monotonically increasing frequency in the band of 3180-4090 MHz. VCO will have no drop out from 0-22 volts.



MERCURY COMMERCIAL ELECTRONICS

PIN 1
DESIGNATOR



PINOUT	
2	V _{cc}
6	V _{tune}
14	RF _{out}
OTHER	GND