

MW514 VCOs FOR CUSTOM APPLICATIONS



SPECIFICATIONS

Frequency Range:
2132 MHz @ 0.5V
2225 MHz @ 3.0V

Tuning Sensitivity:
38 MHz/V

Output Power:
9±3 dBm

Pushing:
< 2 MHz/V

Pulling: < 10 MHz
(VSWR=2.0:1, For All
Phase, Ref.=50Ω)

Phase Noise:
@ 10 kHz: -100 dBc/Hz
@ 100 kHz: -120 dBc/Hz

Spurious Response
(2nd Harmonics): -18 dBc

Input Impedance:
10 MΩ

Input Capacitance:
47 pF

Load Impedance: 50Ω

Supply Voltage (VCC):
3.0 ± 0.1 V

Supply Current:
20 mA

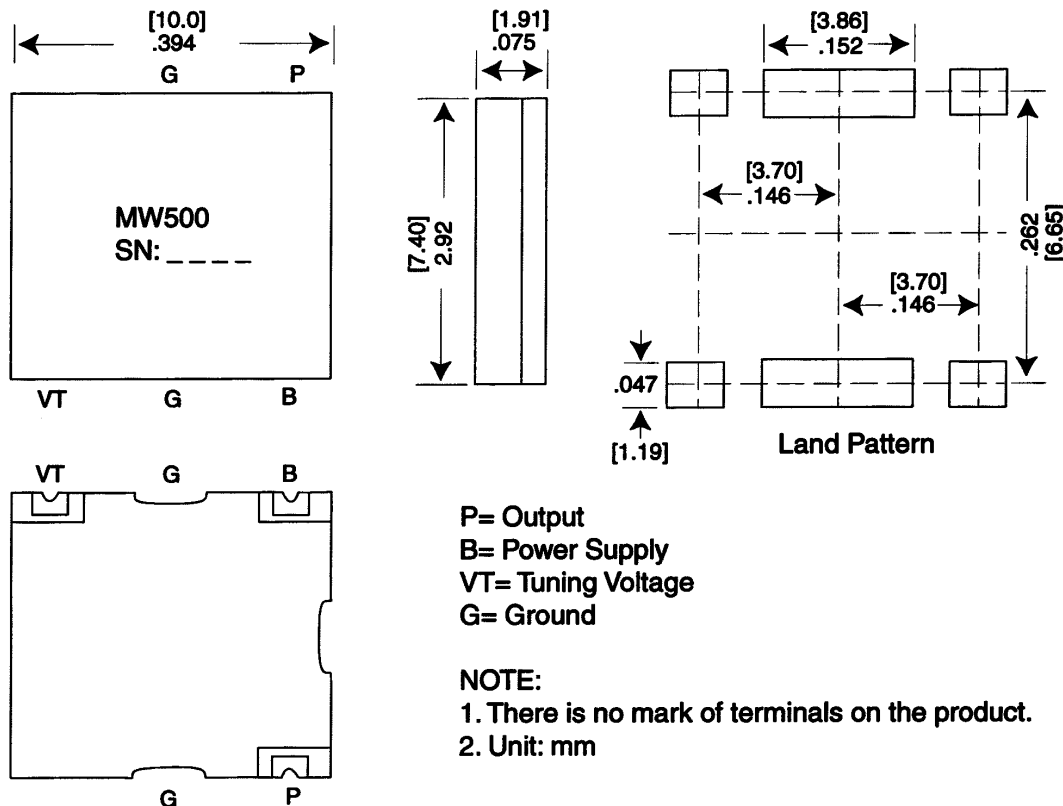
Tuning Voltage (VT):
0.5 to 3.0 V

Operating Temperature:
-40 to +85°C

Absolute Maximum Ratings:
Supply Voltage: 5V

Storage Temperature:
-40 to +85°C

MW500 VCO PACKAGE OUTLINE



MICRONETICS

WIRELESS