

MW520 VCOs FOR WLL HANDSET APPLICATIONS



SPECIFICATIONS

Frequency Range:
1865 MHz @ 0.7V
2055 MHz @ 4V

Tuning Sensitivity:
 ≥ 60.6 MHz/V

Output Power:
 9 ± 2 dBm

Pushing:
 < 2 MHz/V

Pulling: < 4 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): -20 dBc

Input Impedance:
 ≥ 10 dBc

Input Capacitance:
 ≤ 47 pF

Load Impedance: 50Ω

Supply Voltage (VCC):
 5.0 ± 0.2 V

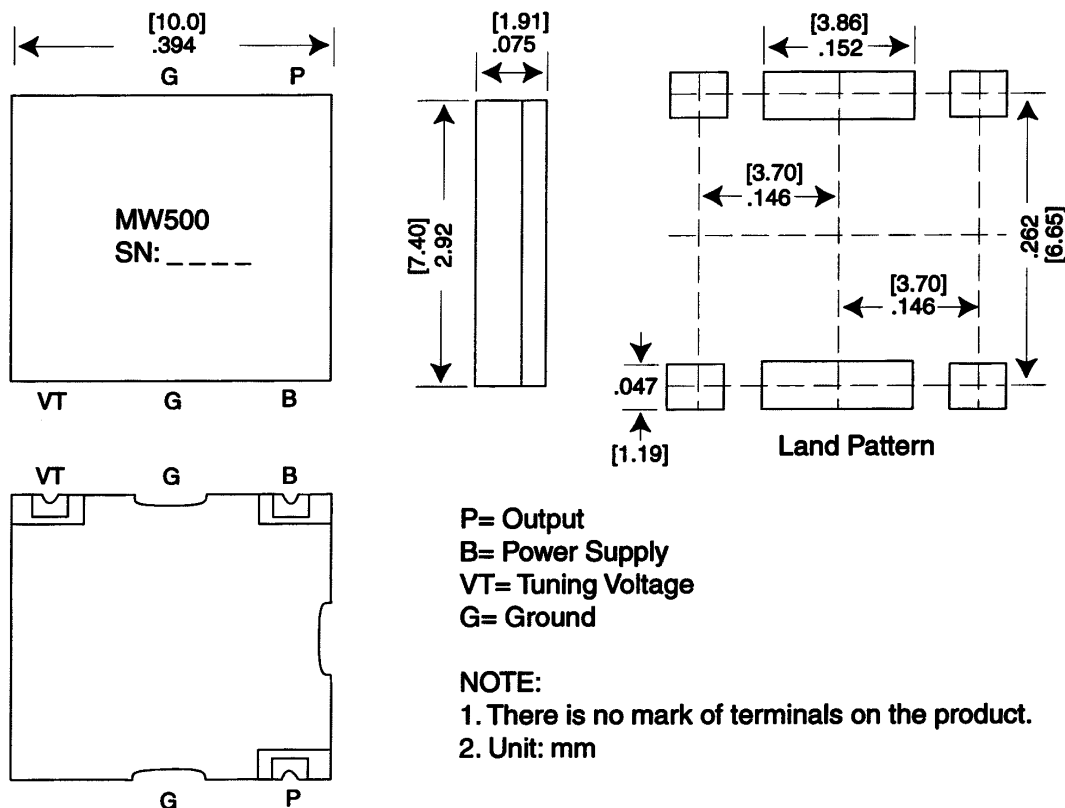
Supply Current:
 < 25 mA

Operating Temperature:
 -40 to $+85^\circ\text{C}$

Absolute Maximum Ratings:
Supply Voltage: 5V

Storage Temperature:
 -40 to $+85^\circ\text{C}$

MW500 VCO PACKAGE OUTLINE



MICRONETICS
WIRELESS