

# MW523 VCOs FOR WIRELESS LOCAL LOOP APPLICATIONS



## SPECIFICATIONS

Frequency Range:  
3100 MHz @ 0.7V  
3450 MHz @ 3.5V

Tuning Sensitivity:  
<1.5:1

Output Power:  
0 ± 2 dBm

Pushing:  
<12

Pulling: <5  
(VSWR=2.0:1, For All  
Phase, Ref.=50Ω)

Phase Noise:  
@ 10 kHz: -85 dBc/Hz  
@ 100 kHz: -105 dBc/Hz

Spurious Response  
(2nd Harmonics):  
-25 max dBc

Input Impedance:  
10 MΩ

Input Capacitance:  
47 pF

Load Impedance: 50 Ω

Supply Voltage (VCC):  
5.0 ± 0.1V

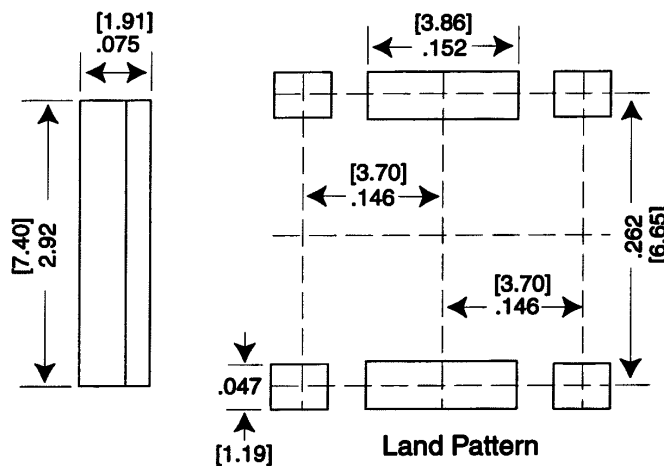
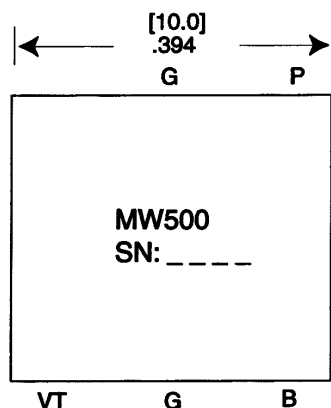
Supply Current:  
< 40 mA

Operating Temperature:  
-40 to +85° C

Absolute Maximum Ratings:  
Supply Voltage: +4 ± .5

Storage Temperature:  
-40 to +85° C

## MW500 VCO PACKAGE OUTLINE



P= Output  
B= Power Supply  
VT= Tuning Voltage  
G= Ground

### NOTE:

1. There is no mark of terminals on the product.
2. Unit: mm

**MICRONETICS**  
WIRELESS