

# MW516 VCOs FOR WCDMA APPLICATIONS



## SPECIFICATIONS

Frequency Range:  
2295 MHz @ 1V  
2315 MHz @ 4V

Tuning Sensitivity:  
10 MHz/V

Output Power:  
-2±3 dBm

Pushing:  
< 2 MHz/V

Pulling: 10 MHz  
(For a 12 dB Return Loss)

Phase Noise:  
@ 25 kHz -107 dBc/Hz  
@ 100 kHz -120 dBc/Hz

Spurious Response  
(2nd Harmonics): -10 dBc

Input Impedance:  
10 MΩ

Input Capacitance:  
50 pF

Load Impedance: 50 Ω

Supply Voltage (VCC):  
+5 ± 0.1 V

Supply Current:  
< 20 mA

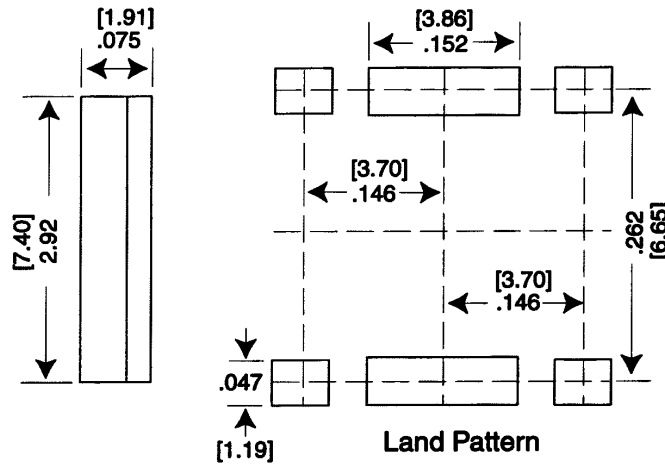
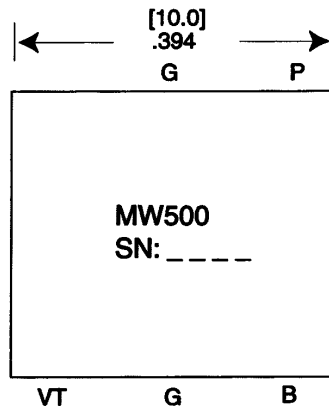
Tuning Voltage (VT):  
1 to 4 V

Operating Temperature:  
-20 to +70°C

Absolute Maximum Ratings:  
Supply Voltage: 5V

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