

# MW414 VCOs FOR CDMA APPLICATIONS

## SPECIFICATIONS



Frequency Range:  
950 MHz @ 0.2V  
985 MHz @ 2.8V

Tuning Sensitivity:  
11.5 MHz/V

Output Power:  
1±3 dBm

Pushing:  
< 2 MHz/V

Pulling: < 3 MHz  
(VSWR=2.0:1, For All  
Phase, Ref.=50 Ω)

Phase Noise:  
@ 10 kHz: -100 dBc/Hz  
@ 400 kHz: -130 dBc/Hz

Spurious Response  
(2nd Harmonics): -10 dBc

Input Impedance:  
10 M Ω

Input Capacitance:  
47 pF

Load Impedance: 50 Ω

Supply Voltage (VCC):  
+3 ± 0.2V

Supply Current:  
10 mA

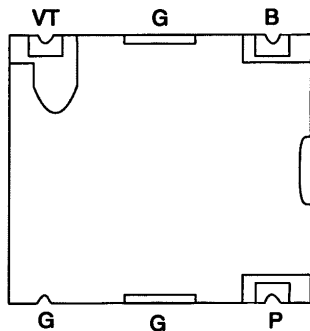
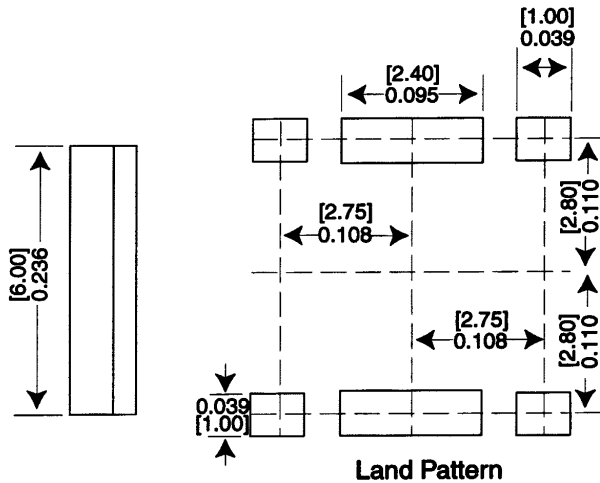
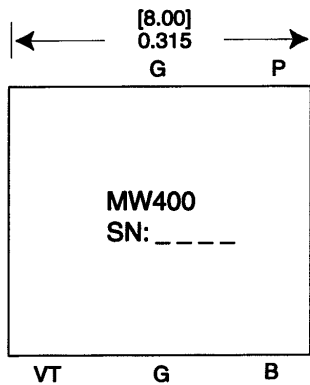
Tuning Voltage (VT):  
0.2 to 2.8 V

Operating Temperature:  
-20 to +60°C

Absolute Maximum Ratings:  
Supply Voltage: 6V

Storage Temperature:  
-30 to +85°C

## MW400 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