

# MW415 VCOs FOR CORDLESS APPLICATIONS

## SPECIFICATIONS



Frequency Range:  
1548 MHz @ 1V  
1700 MHz @ 4V

Tuning Sensitivity:  
51 MHz/V

Output Power:  
7±2 dBm

Pushing:  
< 1 MHz/V

Pulling: < 2 MHz  
(For a 12 dB return loss,  
Ref.=50Ω)

Phase Noise:  
@ 200 kHz: -123 dBc/Hz  
@ 600 kHz: -133 dBc/Hz

Spurious Response  
(2nd Harmonics): -20 dBc

Input Impedance:  
10 MΩ

Input Capacitance:  
47 pF

Load Impedance: 50Ω

Supply Voltage (VCC):  
5.0 ± 0.2 V

Supply Current:  
20 mA

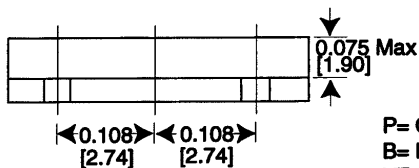
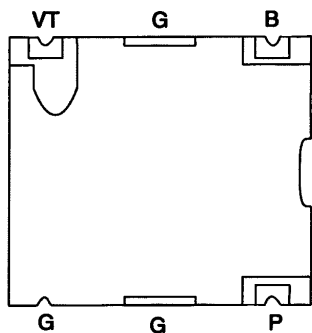
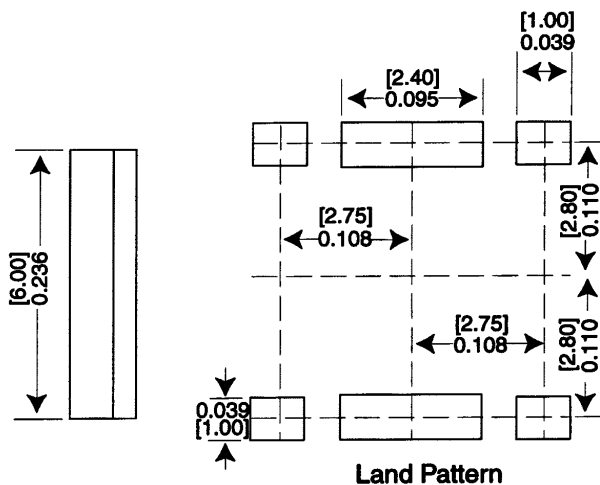
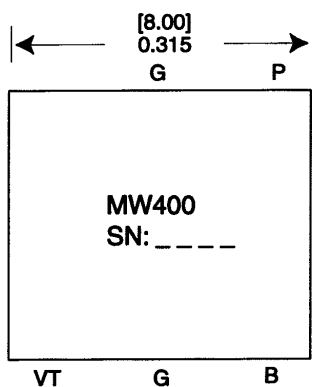
Tuning Voltage (VT):  
1 to 4 V

Operating Temperature:  
-20 to +80°C

Absolute Maximum Ratings:  
Supply Voltage: 6V

Storage Temperature:  
-40 to +80°C

## MW400 VCO PACKAGE OUTLINE



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

### NOTE:

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

**MICRONETICS**  
WIRELESS