

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

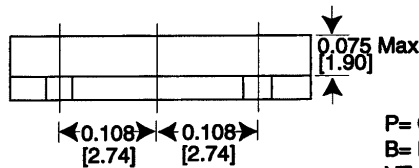
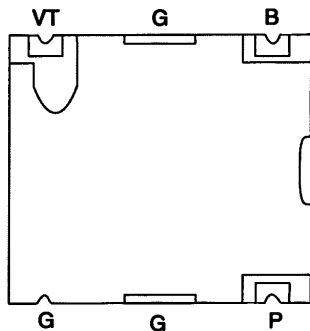
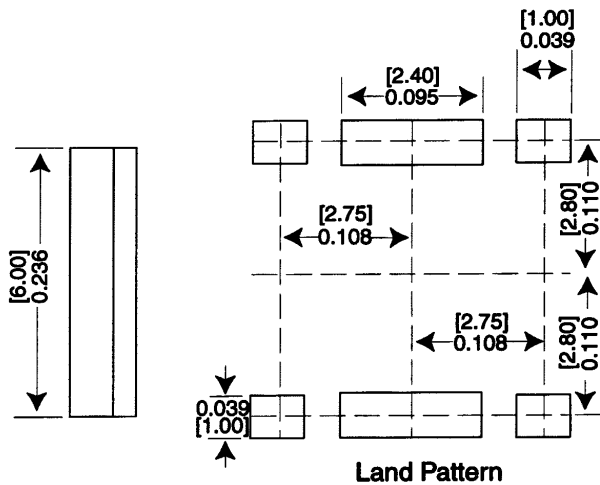
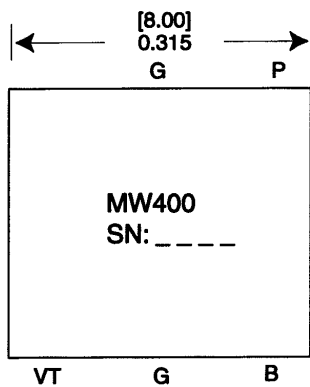
Tuning Voltage (VT):
0.2 to 2.8 V

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:

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

MICRONETICS
WIRELESS