

MW401 VCOs FOR DCS 1800 APPLICATIONS



SPECIFICATIONS

Frequency Range:
1540 MHz @ .50V
1640 MHz @ 2.5V

Tuning Sensitivity:
50 MHz/V

Output Power:
-3±3 dBm

Pushing: < 2 MHz/V

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

Temperature Stability
(At -20 to +60° C;
Ref. = 25° C): ±5 MHz

Phase Noise:
@10 kHz: -92 dBc/Hz
@400 kHz: -123 dBc/Hz

Spurious Response
(2nd Harmonics): -10 dBc

Input Impedance:
10 MHz

Input Capacitance:
47 pF

Load Impedance: 50 Ω

Supply Voltage (VCC):
3.0 ±0.25 V

Supply Current:
7 mA

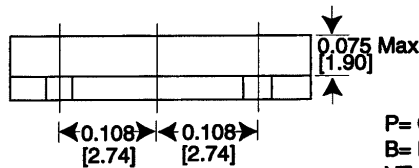
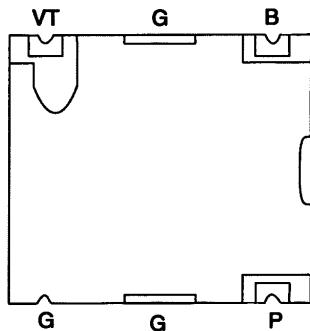
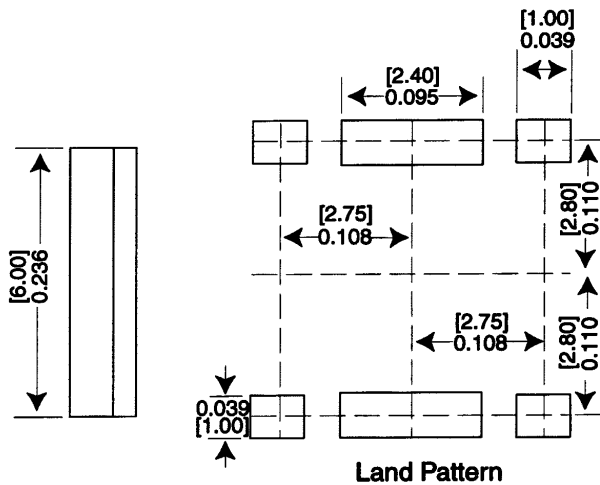
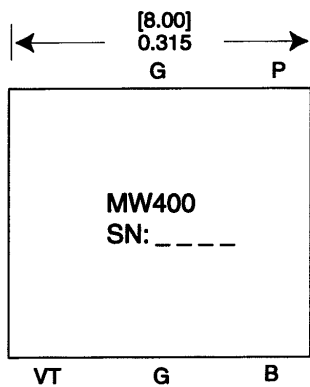
Tuning Voltage (VT):
0.5 to 2.5 V

Operating Temperature:
-20 to +60° C

Absolute Maximum Ratings:
Supply Voltage: 5V

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