

MW314 VCOs FOR CUSTOM APPLICATIONS



SPECIFICATIONS

Frequency Range:
2132 MHz @ 0.5V
2225 MHz @ 3.0V

Tuning Sensitivity:
 $\geq 37.2 \text{ MHz/V}$

Output Power:
7 ± 3 dBm

Pushing:
 ± 3 MHz

Pulling: 15 MHz
(VSWR=2.0:1, For All
Phase, Ref. =50Ω)

Phase Noise:
@10 kHz: ≤ -88 dBc/Hz
@100 kHz: ≤ -108 dBc/Hz

Spurious Response
(2nd Harmonics): ≥ -18 dBc

Input Impedance:
 $\geq 10\text{ M}\Omega$

Input Capacitance:
£ 47 pF

Load Impedance: $50\ \Omega$

Supply Voltage (VCC):
3.0 ± 0.1 V

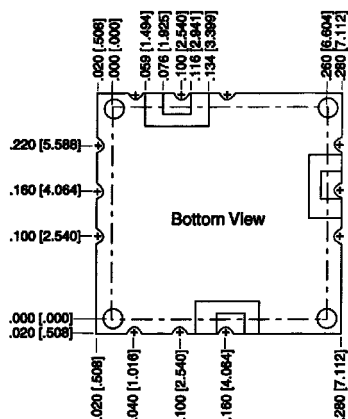
Supply Current:
£ 20 mA

Operating Temperature:
-40 to +85° C

Absolute Maximum Ratings:
Supply Voltage: 3V

Storage Temperature:
-40 to +85° C

MW300 VCO PACKAGE OUTLINE

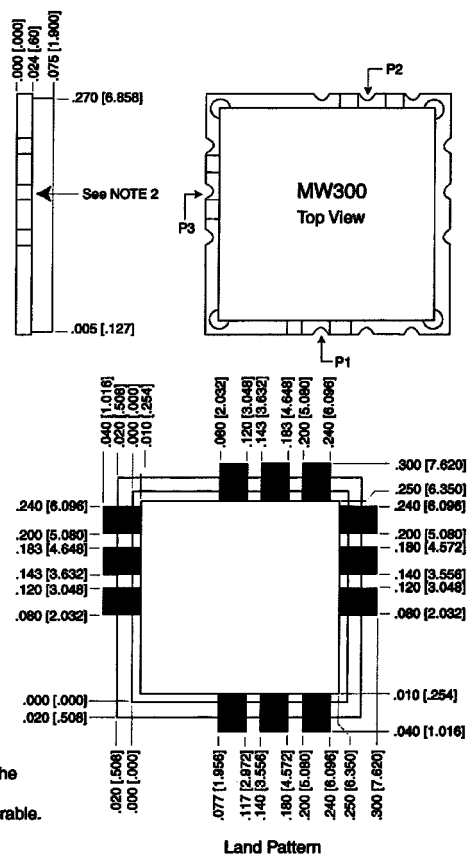


Typical of All Pads

P1 = Vt
P2 = RF Out
P3 = VCC

NOTES:

1. Inside radius of all half holes on perimeter of the board are solder plated for attachment.
2. Shield material is tin plated brass and is solderable.
3. Units: inches [mm].



Land Pattern

MICRONETICS

WIRELESS