



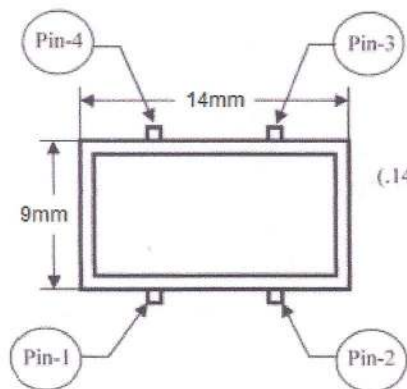
General Electronic Devices

Makers of active and passive components
 Quartz Crystal * Oscillators * Synthesizer * Filters
 Micro-Hybrid Assembly Services

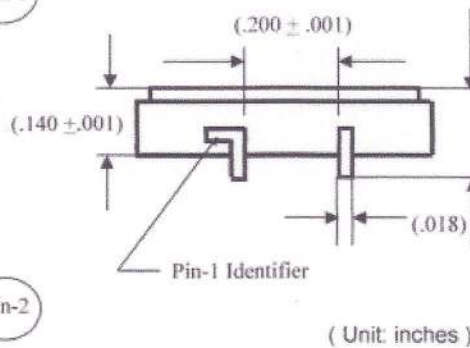
SMD914C.3B(E/D)ET-24.000MHz

THIS DEVICE IS RoHS COMPLIANT

| ELECTRICAL SPECIFICATIONS | |
|--|---------------------------------------|
| Type | 9x14 mm "J lead" SMD Oscillator |
| Frequency | 24.000MHz |
| Frequency Tolerance | $\pm 10\text{ppm}@25^{\circ}\text{C}$ |
| Frequency Stability | $\pm 50\text{ppm}$ All Inclusive |
| Operating Temperature | -40 to +85degC |
| Storage Temperature | -55 - +125 °C |
| Input Voltage | $3.3\text{V} \pm 10\%$ VDC |
| Input Current | 15 mA (Max) |
| CMOS OUTPUT: "0" Level "1" Level | 10%VDD (MAX) 90% VDD (MIN) |
| Symmetry | 40% to 60% (at 50% VDD) |
| Rise and Fall Time | 200 nS (MAX) |
| Tri-State Output (EN/MC) | EN |
| Output Load | 15pF |
| Start-Up Time | 5 ms (typical) |
| Aging Rate | + 3ppm/Year MAX |



DRAWING OUTLINE



| PIN CONFIGURATION | |
|-------------------|--------|
| Pin 1 | E/D |
| Pin 2 | GND |
| Pin 3 | OUTPUT |
| Pin 4 | VDD |