



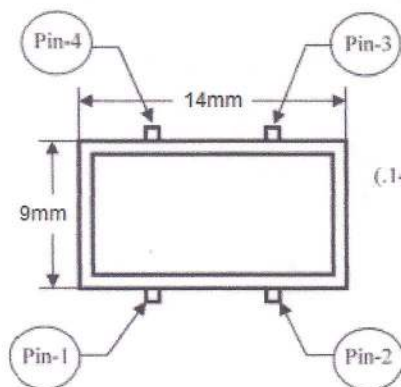
# General Electronic Devices

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

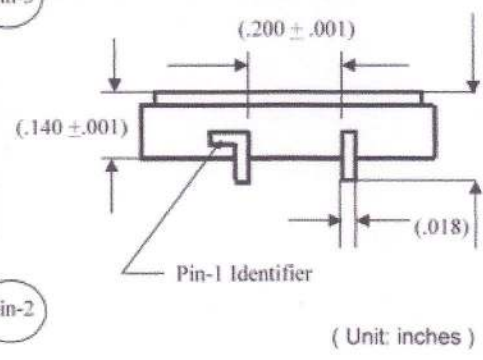
## SMD914CC(E/D)ET-24.000MHz

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       | $\pm 25\text{ppm}$ All Inclusive      |
| Operating Temperature     | -40 to +85degC                        |
| Storage Temperature       | -55 - +125 °C                         |
| Input Voltage             | 5.0V $\pm 10\%$ VDC                   |
| Input Current             | 15 mA (Max)                           |
| CMOS OUTPUT:<br>"0" Level | 10%VDD (MAX)                          |
| "1" Level                 | 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    |