



# General Electronic Devices

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

## SMD914C.3C(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                          | 3.3V $\pm 10\%$ VDC                   |
| Input Current                          | 15 mA (Max)                           |
| CMOS OUTPUT:<br>"0" Level<br>"1" Level | 10%VDD (MAX)<br>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

