

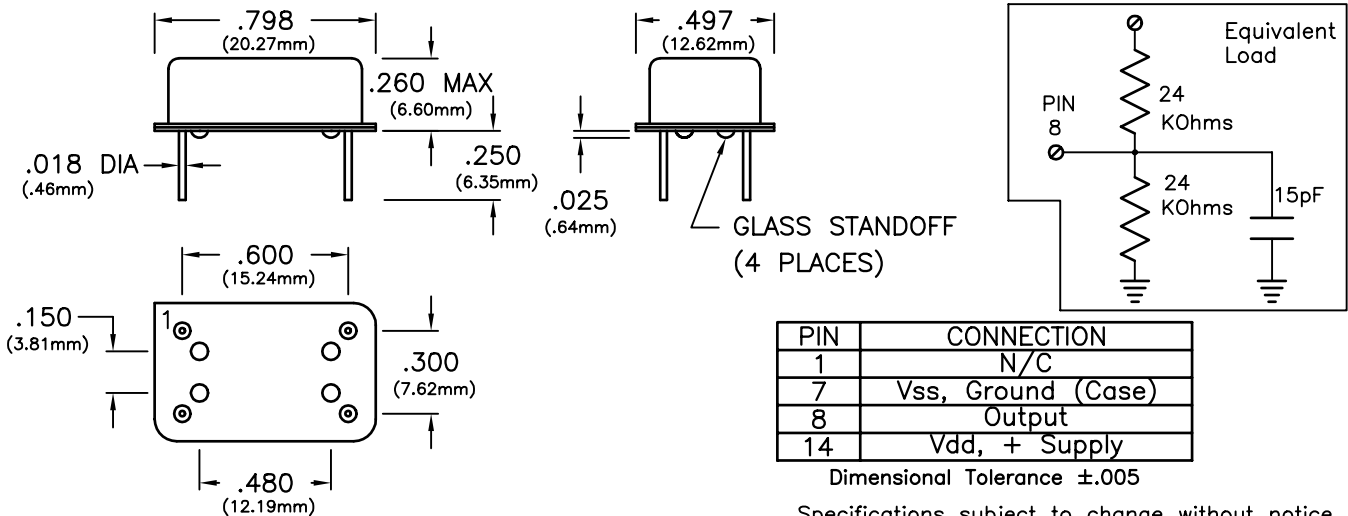


CONNOR-WINFIELD CORPORATION

AURORA, IL. 60505
 PHONE (630) 851-4722
 FAX (630) 851-5040

OSCILLATOR

| | | | |
|-----------------------|--|---|--------------------|
| SPECIFICATIONS | RTC623 | | |
| Frequency Range | 32.768 KHz | | |
| Frequency Calibration | $\pm 20\text{ppm}$ @25°C | | |
| Frequency Stability | $\pm 180\text{ppm}$ | | |
| | (Inclusive of operating temperature range, input voltage change, load change, shock and vibration) | | |
| Temperature Range | -40°C to +85°C | | |
| Output | Waveform | 4000B series CMOS Squarewave | |
| | Load | 15pF | |
| | Voltage | Voh | Vdd -0.5V Minimum |
| | | Vol | Vss +0.05V Maximum |
| | Current | Ioh | -600uA Typical |
| | | Iol | 600uA Typical |
| | Duty Cycle | 40/60 Maximum Measured at the 50% level | |
| Rise/Fall Time | 750nS Maximum at 3Vdc | | |
| | 250nS Maximum at 5Vdc | | |
| Start Up Time | 10mS Maximum | | |
| Aging | $\pm 5\text{ppm}/\text{year}$ | | |
| Supply Voltage | 5Vdc to 3Vdc $\pm 10\%$ | | |
| | 2.70Vdc Minimum, 5.50Vdc Maximum | | |
| Supply Current | 8 uA Typical, 25 uA Maximum at 3Vdc | | |
| | 65 uA Typical, 125 uA Maximum at 5Vdc | | |
| Package | All metal, hermetically sealed, metal package | | |



BULLETIN #: CM014
 PAGE 1 OF 1

REV: 00
 DATE: 7/2/96

ISSUED BY: _____