



# CONNOR-WINFIELD CORPORATION

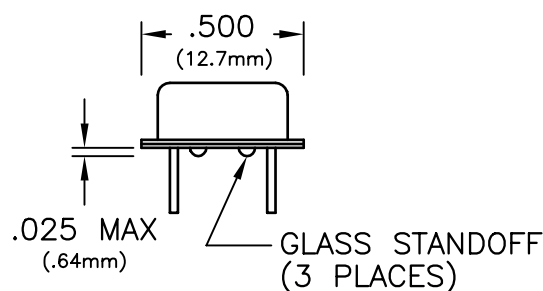
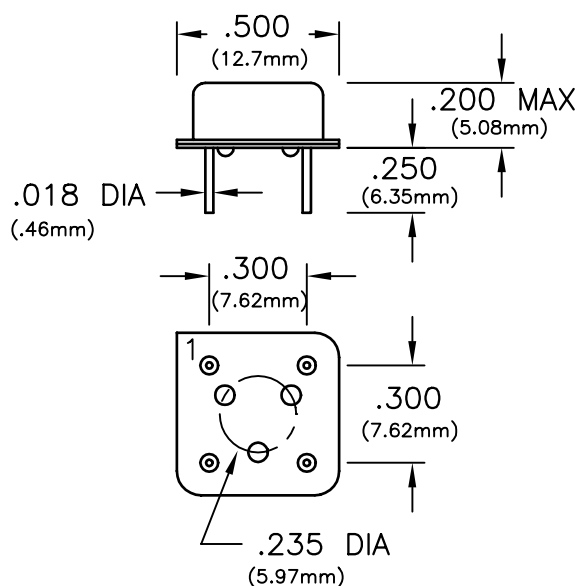
AURORA, IL. 60505

PHONE (630) 851-4722

FAX (630) 851-5040

## TIGHT TOLERANCE CLOCK WITH ENABLE/DISABLE

| SPECIFICATIONS            |                                                          |       | H56                                                                                                                          | H56R          |
|---------------------------|----------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------|---------------|
| Frequency Range           |                                                          |       | 1MHz to 70MHz                                                                                                                |               |
| Total Frequency Tolerance |                                                          |       | ±10ppm                                                                                                                       |               |
|                           |                                                          |       | Frequency tolerance is inclusive of calibration, frequency stability vs temperature, frequency vs supply voltage, and aging. |               |
| Temperature Range         |                                                          |       | 0°C to 70°C                                                                                                                  |               |
| Output                    | Waveform                                                 |       | HCMOS / TTL Compatible Squarewave                                                                                            |               |
|                           | Load                                                     |       | 50pF / 10 TTL                                                                                                                |               |
|                           | Voltage                                                  | Voh   | 4.5V Minimum                                                                                                                 |               |
|                           |                                                          | Vol   | 0.5V Maximum                                                                                                                 |               |
|                           | Current                                                  | Ioh   | −16mA                                                                                                                        |               |
|                           |                                                          | Iol   | 16mA                                                                                                                         |               |
|                           | Duty Cycle                                               |       | 45/55 Maximum Measured at 50% level                                                                                          |               |
|                           | Rise/Fall Time                                           |       | 5nS Maximum                                                                                                                  |               |
| Input                     | Output E/D Time                                          |       | N/A                                                                                                                          | 100nS Typical |
|                           | Enable                                                   | (Vih) | N/A                                                                                                                          | 2.2V Minimum  |
|                           | Disable                                                  | (Vil) | N/A                                                                                                                          | 0.8V Maximum  |
|                           | Oscillator output is enabled with no connection on pin 1 |       |                                                                                                                              |               |
| Start Up Time             |                                                          |       | 10mS Maximum , 3mS Typical                                                                                                   |               |
| Supply Voltage            |                                                          |       | +5Vdc ±5%                                                                                                                    |               |
| Supply Current            |                                                          |       | 15mA Typical , 25mA Maximum                                                                                                  |               |
| Package                   |                                                          |       | All metal, hermetically sealed, welded package                                                                               |               |



| PIN | CONNECTION            |
|-----|-----------------------|
| 1   | ENABLE/DISABLE or N/C |
| 4   | GROUND (CASE)         |
| 5   | OUTPUT                |
| 8   | (+) SUPPLY            |

Dimensional Tolerance  $\pm 0.005$ 

Specifications subject to change without notice

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DATE: 7/31/97

ISSUED BY: \_\_\_\_\_