



# CONNOR-WINFIELD CORPORATION

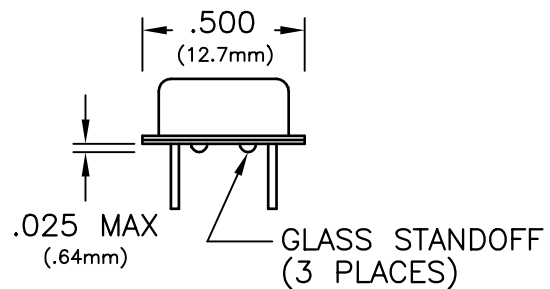
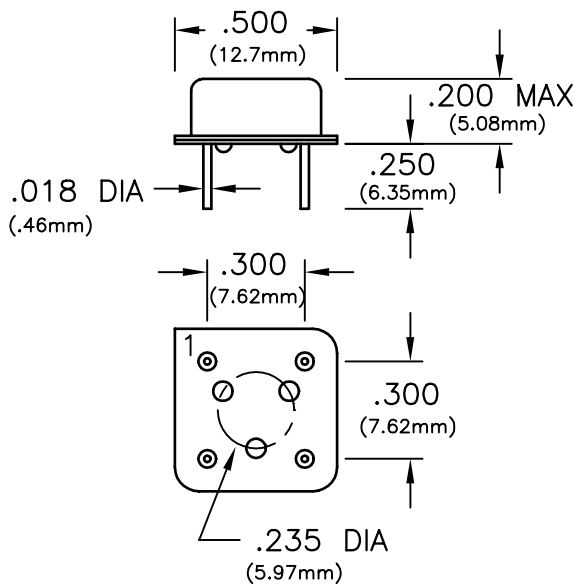
AURORA, IL. 60505

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## 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  |               |
| Waveform                  |                 | HCMOS / TTL Compatible Squarewave  |               |
| Load                      |                 | 50pF / 10 TTL  |               |
| Output                    | Voltage         | 4.5V Minimum   |               |
|                           | Voh             | 4.5V Minimum   |               |
|                           | Vol             | 0.5V Maximum   |               |
|                           | Current         | -16mA  |               |
|                           | 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 ±.005

Specifications subject to change without notice

BULLETIN #: HC153  
PAGE 1 OF 1

REV: 01  
DATE: 7/31/97

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