

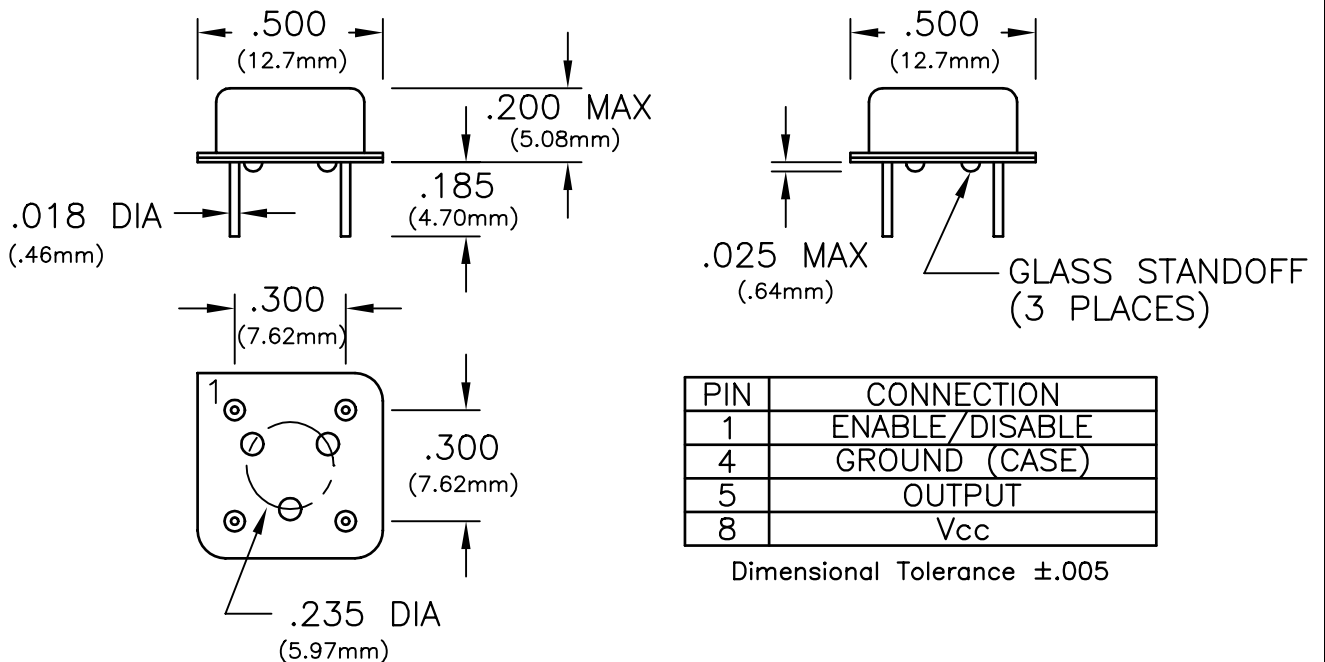


# CONNOR-WINFIELD CORPORATION

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## 8 PIN DIP MPH-SERIES

| SPECIFICATIONS            | MH51R  | MH52R                    | MH53R        | MH63R          |
|---------------------------|--|--------------------------|--------------|----------------|
| Frequency Range           | 12MHz to 66.67MHz  |                          |              |                |
| Frequency Stability       | ±25ppm   | ±50ppm                   | ±100ppm      | ±100ppm        |
| Operating Temp Range      | 0°C to +70°C   | 0°C to +70°C             | 0°C to +70°C | -40°C to +85°C |
| Storage Temp Range        | -55°C to +125°C  |                          |              |                |
| Supply Voltage            | +5Vdc ±10%   |                          |              |                |
| Supply Current (@ 25°C)   | 25mA Maximum , 16mA Typical                              |                          |              |                |
| Output                    | Load   | HCMOS , CL: 50pF Maximum |              |                |
|                           | Driving Ability  | HCMOS                    |              |                |
|                           | Symmetry   | 52/48 measured at 2.5V   |              |                |
|                           | Voltage "0" level  | 10% VDD                  |              |                |
|                           | "1" level  | 90% VDD                  |              |                |
| Rise/Fall Time            | 6nS Maximum , 4nS Typical                                |                          |              |                |
| Input                     | Output E/D Time  | 100nS Maximum            |              |                |
|                           | Enable (Vih)   | 2.0V Minimum             |              |                |
|                           | Disable (Vil)  | 0.8V Maximum             |              |                |
|                           | Oscillator output is enabled with no connection on pin 1 |                          |              |                |
| Rise/Fall Time (max load) | 15/15nS Maximum (CL Max: 50pF)                           |                          |              |                |
| Start Up Time             | 6mS Maximum , 3mS Typical                                |                          |              |                |
| Package                   | All metal, hermetically sealed, welded package           |                          |              |                |



Specifications subject to change without notice

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