



**Q-Tech  
Corporation**

*The World's Leading Manufacturer of High Reliability Hybrid Crystal Oscillators*

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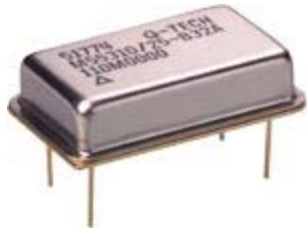
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**Military Designation : M55310/25B**

**Package Type : Dual In-Line (DIP)**

[Show Dimensions >>](#)

[MIL-PRF-55310  
Performance Specs >>](#)



### Pin Connections

| Vee | GND | OUT | CASE | QT#   |
|-----|-----|-----|------|-------|
| 7   | 14  | 8   | 14   | QT39E |

### Logic Levels

ECL -- Please Click on MIL-PRF-55310 Specifications button

### Stability Options

### Assurance Level

Class B

[Freq. Designation >>](#)

### Electrical Specifications \*\*

| Dash No. | Frequency Range | Load (Test)<br>To -2.0 Vdc | Input Current (Max.)<br>At 5.25 V ± 5% | Rise / Fall Time | Duty Cycle |
|----------|-----------------|----------------------------|--|------------------|------------|
|          |                 |                            |  |                  |            |

|    |                    |          |        |              |           |
|----|--------------------|----------|--------|--------------|-----------|
| 03 | 25 MHz to 100 MHz  | 50 ohms  | 50 mA  | 3.5 ns (max) | 40 to 60% |
| 07 | 25 MHz to 100 MHz  | 100 ohms | 75 mA  | 3.5 ns (max) | 40 to 60% |
| 11 | 25 MHz to 100 MHz  | 50 ohms  | 50 mA  | 3.5 ns (max) | 40 to 60% |
| 15 | 25 MHz to 100 MHz  | 100 ohms | 75 mA  | 3.5 ns (max) | 40 to 60% |
| 33 | 100 MHz to 125 MHz | 50 ohms  | 60 mA  | 3.5 ns (max) | 40 to 60% |
| 37 | 100 MHz to 125 MHz | 100 ohms | 75 mA  | 3.5 ns (max) | 40 to 60% |
| 41 | 100 MHz to 125 MHz | 50 ohms  | 60 mA  | 3.5 ns (max) | 40 to 60% |
| 45 | 100 MHz to 125 MHz | 100 ohms | 60 mA  | 3.5 ns (max) | 40 to 60% |
| 63 | 125 MHz to 175 MHz | 50 ohms  | 70 mA  | 3.0 ns (max) | 40 to 60% |
| 67 | 125 MHz to 175 MHz | 100 ohms | 125 mA | 3.0 ns (max) | 40 to 60% |
| 71 | 125 MHz to 175 MHz | 50 ohms  | 70 mA  | 3.0 ns (max) | 40 to 60% |
| 75 | 125 MHz to 175 MHz | 100 ohms | 125 mA | 3.0 ns (max) | 40 to 60% |

\*\* N/A

