



**Q-Tech  
Corporation**

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

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**Military Designation : M55310/26B**

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

[Show Dimensions >>](#)

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



### Pin Connections

Vcc	GND	OUT	CASE	QT #
14	7	8	7	QT41HC

### Logic Levels

High Speed CMOS

**HCMOS LOGIC LEVELS** : Logic "1":  
.9Vdd Min.; Logic "0": .1Vdd Max.

### Assurance Level

Class B

[Freq. Designation >>](#)

### Stability Options

Code	Temp. Range	Freq. Stability vs. Temp.	Freq. Accuracy @ +23 °C	Aging (per year)
3A	-55 °C to +125 °C	± 65 ppm	± 15 ppm	± 5 ppm (max)
3B	-55 °C to +105 °C	± 55 ppm	± 15 ppm	± 5 ppm (max)
3C	-20 °C to +70 °C	± 40 ppm	± 15 ppm	± 5 ppm (max)
7A	-55 °C to +125 °C	± 100 ppm	± 25 ppm	± 10 ppm (max)
7B	-55 °C to +105 °C	± 75 ppm	± 25 ppm	± 10 ppm (max)
7C	-20 °C to +70 °C	± 50 ppm	± 25 ppm	± 10 ppm (max)

### Electrical Specifications \*\*

Dash No.	Frequency Range	Supply Voltage	Max Input Current *	Rise/Fall Time	Duty Cycle
0	10 kHz to 1.0 MHz	+ 5 V	10 mA	10 ns (max)	45 to 55%

2	100 kHz to 4.0 MHz	+ 5 V	15 mA	10 ns (max)	45 to 55%
3	4.0 MHz to 20 MHz	+ 5 V	20 mA	10 ns (max)	40 to 60%
4	20 MHz to 35 MHz	+ 5 V	35 mA	10 ns (max)	40 to 60%
5	35 MHz to 50 MHz	+ 5 V	40 mA	5ns (max)	40 to 60%
6	50 MHz to 65 MHz	+ 5 V	70 mA	5 ns (max)	40 to 60%

\* Input Current (Max.) at designated supply voltages (no load). Maximum Load is 10 k ohm shunted by 15 pf.

