



**Q-Tech
Corporation**

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Military Designation : M55310/12

[Show Dimensions >>](#)

Package Type : Transistor Outline (TO)

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



Pin Connections

Vcc	GND	OUT	CASE	QT #
8	4	5	4	QT1C

Logic Levels

Logic Level	Supply Voltage			
	15V	12V	10V	
1 (high)	13V	10V	9.5V	(min)
0 (low)	2V	1V	0.5V	(max)

Stability Options

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

Assurance Level

Class B

[Freq. Designation >>](#)

Electrical Specifications **

Dash No	Frequency Range	Supply Voltage	Max. Input Current *	Rise/Fall Time	Duty Cycle	Aging (Per Year)
01	50 kHz to 6MHz	+15 V	35 mA	30 ns (max)	40 to 60%	± 10 ppm (max)

02	6 MHz to 10 MHz	+15 V	40 mA	30 ns (max)	40 to 60%	± 10 ppm (max)
03	50 kHz to 6 MHz	+12 V	25 mA	60 ns (max)	40 to 60%	± 10 ppm (max)
04	6 MHz to 10 MHz	+12 V	30 mA	60 ns (max)	40 to 60%	± 10 ppm (max)
05	50 kHz to 6 MHz	+10 V	20 mA	60 ns (max)	40 to 60%	± 10 ppm (max)
06	6 MHz to 10 MHz	+10 V	20 mA	60 ns (max)	40 to 60%	± 10 ppm (max)

* Maximum Input Current at designated supply voltages ± 5% (no load).

** Maximum Load is 10 kohm shunted by 15 pF.

