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Corporation**

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Military Designation :

M55310/16

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Package Type :

Dual In-Line (DIP)

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


Pin Connections

Vcc	GND	OUT	CASE	QT #
14	7	8	7	QT6T

Logic Levels

Stability Options

TTL

Code	Temp. Range	Freq. Stability vs. Temp.	Freq. Accuracy @ +23 °C	Aging (per year)
1A	-55 °C to +125 °C	± 50 ppm	± 15 ppm	± 5 ppm (max)
1B	-55 °C to +105 °C	± 40 ppm	± 15 ppm	± 5 ppm (max)
1C	-20 °C to +70 °C	± 25 ppm	± 15 ppm	± 5 ppm (max)
4A	-55 °C to +125 °C	± 100 ppm	± 25 ppm	± 10 ppm (max)
4B	-55 °C to +105 °C	± 80 ppm	± 25 ppm	± 10 ppm (max)
4C	-20 °C to +70 °C	± 50 ppm	± 25 ppm	± 10 ppm (max)

Assurance Level

Class B

[Freq. Designation >>](#)

Electrical Specifications \*\*

Dash No.	Frequency Range	Max. Input Current *	Rise/Fall Time	Duty Cycle
0	0.1 Hz to 250 Hz	158 mA	15 ns (max)	45 to 55%
1	250 Hz to 150 kHz	94 mA	15 ns (max)	45 to 55%
2	150 kHz to 5 Mhz	70 mA	15 ns (max)	45 to 55%
3	4 Mhz to 20 Mhz	30 mA	15 ns (max)	40 to 60%
4	20 Mhz to 80 Mhz	65 mA	5 ns (max)	40 to 60%

\* Maximum Input Current at 5 V ± 10% (no load).

\*\* Output Voltage: Logic "1" (min.) = 2.4 V with 10 TTL Loads.

Logic "0" (max.) = 0.5 V with 10 TTL Loads.

(Maximum Load = 10 TTL Loads; > 20 MHz = 6 TTL Loads.)

