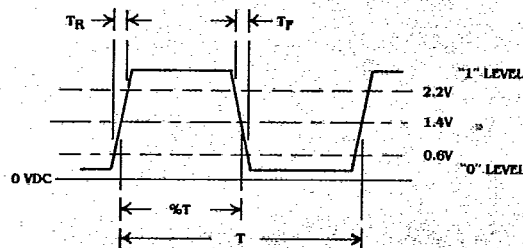


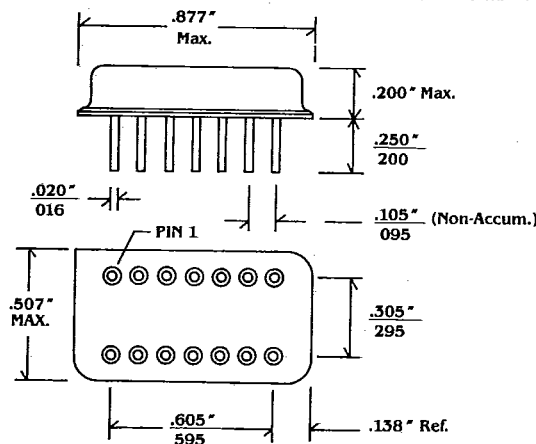
STANDARD SPECIFICATIONS

100 series — TTL

FREQUENCY RANGE	100 Hz TO 70 MHz	
FREQUENCY ACCURACY @ 25°C	± 0.0015%	
FREQUENCY STABILITY VS. TEMPERATURE	SEE TABLE BELOW	
OPERATING TEMPERATURE RANGE		
STORAGE TEMPERATURE	-55°C to 125°C	
INPUT VOLTAGE	+5 VDC ±10%	
OUTPUT SYMMETRY	TTL (10 LOADS) 60-40% @ 1.4 VDC LEVEL	
RISE & FALL TIMES (0.6 VDC - 2.2 VDC)	100 Hz TO 20 MHz	15 nS MAX.
	20 MHz TO 70 MHz	5 nS MAX.
"0" LEVEL (16 mA MAX. SINK CURRENT)	100 Hz TO 20 MHz	0.4 VDC MAX.
	20 MHz TO 70 MHz	0.5 VDC MAX.
"1" LEVEL (400 µA MAX. SOURCE CURRENT)	100 Hz TO 20 MHz	2.4 VDC MIN.
	20 MHz TO 70 MHz	2.5 VDC MIN.
INPUT CURRENT (@ 5.0 VDC)	100 Hz TO 100 KHz	90 mA MAX.
	100 KHz TO 400 KHz	80 mA MAX.
	400 KHz TO 3.0 MHz	60 mA MAX.
	3.0 MHz TO 6.0 MHz	40 mA MAX.
	6.0 MHz TO 20 MHz	30 mA MAX.
	20 MHz TO 40 MHz	50 mA MAX.
	40 MHz TO 70 MHz	60 mA MAX.
AGING @ 25°C	5 PPM/YR. MAX.	
FREQUENCY STABILITY VS. INPUT VOLTAGE	±5 PPM MAX. FOR 10% CHANGE IN INPUT VOLTAGE	



TTL WAVEFORM



PACKAGE TYPE

PIN CONNECTIONS

14 PIN

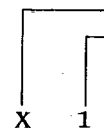
OPTION 'X'
OPTION 'E'
OPTION 'M'

4 PIN

OPTION 'T'

EXAMPLE

PART
NUMBERING
CODE



PIN CONNECTIONS

14 PIN PACKAGE

OPTION 'X'

OPTION 'E'

PIN #	FUNCTION
7	GND.
8	OUTPUT
14	B+
1 THRU 6	NC
9 THRU 13	NC
SAME AS M55310/16	

PIN #	FUNCTION
4	B+
5	OUTPUT
7	GND/CASE
1, 2, 3 & 6	NC
8 THRU 14	NC
SAME AS M55310/14	