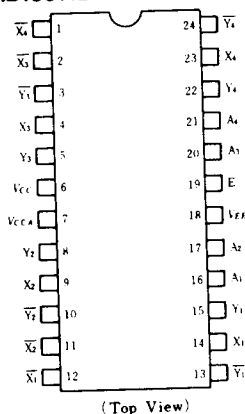


HD100112

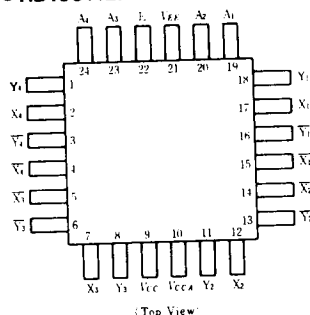
Quadruple Drivers

■ PIN ARRANGEMENT

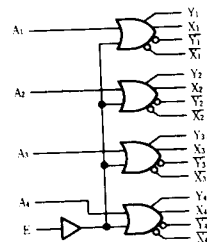
● HD100112



● HD100112F



■ LOGIC DIAGRAM



■ DC CHARACTERISTICS ($V_{EE} = -4.2$ to -4.8 V, $V_{CC} = V_{CCA} = \text{GND}$, $T_a = 0$ to $+85^\circ\text{C}$)

Item	Symbol	Test Condition	min	typ	max	Unit
Supply Current	I_{EE}	All input open	51	73	106	mA
Input Current	I_{IH}	$V_{IN} = V_{IH \max}$	—	—	450	μA
		All input except E			550	μA

Note) As for other items, refer to the "Common DC Characteristics".

■ AC CHARACTERISTICS ($V_{EE} = -2.2$ to -2.8 V, $V_{CC} = V_{CCA} = 2.0$ V)

● HD100112

Item	Symbol	Test Condition	0°C		25°C			85°C		Unit
			min	max	min	typ	max	min	max	
Propagation Delay Time	t_{PLH}	See test circuit and waveform	0.80	1.85	0.85	1.30	1.85	0.85	1.85	ns
	t_{PHL}		0.55	1.40	0.55	0.90	1.40	0.55	1.40	
Transition Time	t_{TLH}	See test circuit and waveform	0.40	1.40	0.45	0.90	1.40	0.45	1.40	ns
	t_{THL}		0.40	1.40	0.45	0.90	1.40	0.45	1.40	

● HD100112F

Item	Symbol	Test Condition	0°C		25°C			85°C		Unit
			min	max	min	typ	max	min	max	
Propagation Delay Time	t_{PLH}	See test circuit and waveform	0.80	1.70	0.85	1.30	1.70	0.85	1.70	ns
	t_{PHL}		0.55	1.25	0.55	0.90	1.25	0.60	1.25	
Transition Time	t_{TLH}	See test circuit and waveform	0.40	1.40	0.45	0.90	1.40	0.45	1.40	ns
	t_{THL}		0.40	1.40	0.45	0.90	1.40	0.45	1.40	

Notes) The circuits in a test socket or mounted on a printed circuit board and transverse air flow greater than 2.5m/s (500 linear fpm) is maintained.