Absolute Maximum Ratings(Note 1)

Supply Voltage	7V
Input Voltage	7V
Operating Free Air Temperature Range	$0^{\circ}C$ to $+70^{\circ}C$
Storage Temperature Range	$-65^{\circ}C$ to $+150^{\circ}C$
Typical θ_{JA}	
N Package	76.0°C/W
M Package	106.0°C/W

Note 1: The "Absolute Maximum Ratings" are those values beyond which the safety of the device cannot be guaranteed. The device should not be operated at these limits. The parametric values defined in the Electrical Characteristics tables are not guaranteed at the absolute maximum ratings. The "Recommended Operating Conditions" table will define the conditions for actual device operation.

Recommended Operating Conditions

Symbol	Parameter	Min	Nom	Max	Units
/ _{cc}	Supply Voltage	4.5	5	5.5	V
′ін	HIGH Level Input Voltage	2			V
/IL	LOW Level Input Voltage			0.8	V
ЭН	HIGH Level Output Current			-48	mA
OL	LOW Level Output Current			48	mA
A	Free Air Operating Temperature	0		70	°C

Electrical Characteristics

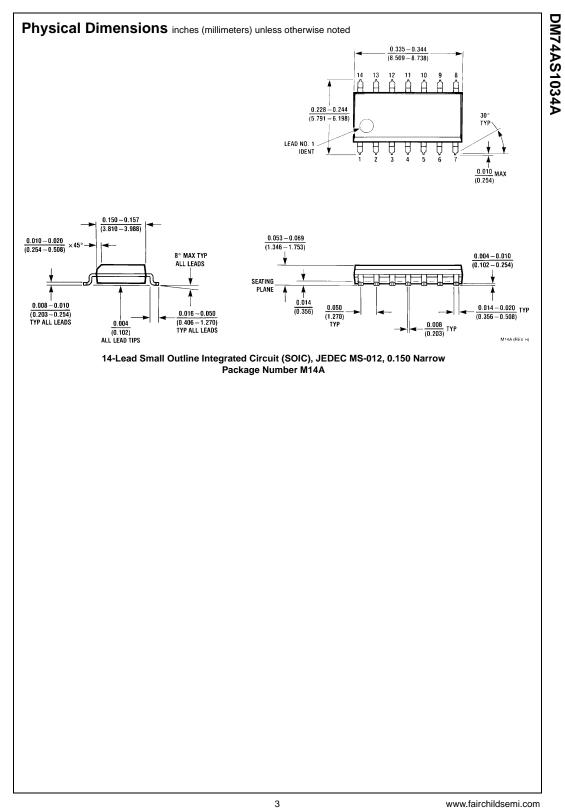
over recommended operating free air temperature range. All typical values are measured at $V_{CC} = 5V$, $T_A = 25^{\circ}C$.

Symbol	Parameter	Conc	litions	Min	Тур	Max	Units
V _{IK}	Input Clamp Voltage	$V_{CC} = 4.5V, I_I = -18 \text{ mA}$				-1.2	V
V _{OH}	HIGH Level	$I_{OH} = -2 \text{ mA}, V_{CC} = 4.5 \text{ V}$	to 5.5V	V _{CC} – 2			V
	Output Voltage	$I_{OH} = -3 \text{ mA}, V_{CC} = 4.5 \text{ V}$		2.4	3.2		V
		$I_{OH} = Max, V_{CC} = 4.5V$		2			
V _{OL}	LOW Level	$V_{CC} = 4.5V$			0.35	0.5	V
	Output Voltage	I _{OL} = Max					
ų	Input Current @ Max Input Voltage	$V_{CC} = 5.5 \text{V}, \ V_{IH} = 7 \text{V}$				0.1	mA
I _{IH}	HIGH Level Input Current	$V_{CC} = 5.5 V$, $V_{IH} = 2.7 V$				20	μΑ
Ι _{ΙL}	LOW Level Input Current	$V_{CC} = 5.5 V, V_{IL} = 0.4 V$				-0.5	mA
I _O	Output Drive Current	$V_{CC} = 5.5 V, V_{O} = 2.25 V$		-50	-135	-200	mA
I _{CC}	Supply Current	$V_{CC} = 5.5V$	Outputs HIGH		9	15	mA
			Outputs LOW		21	35	mA

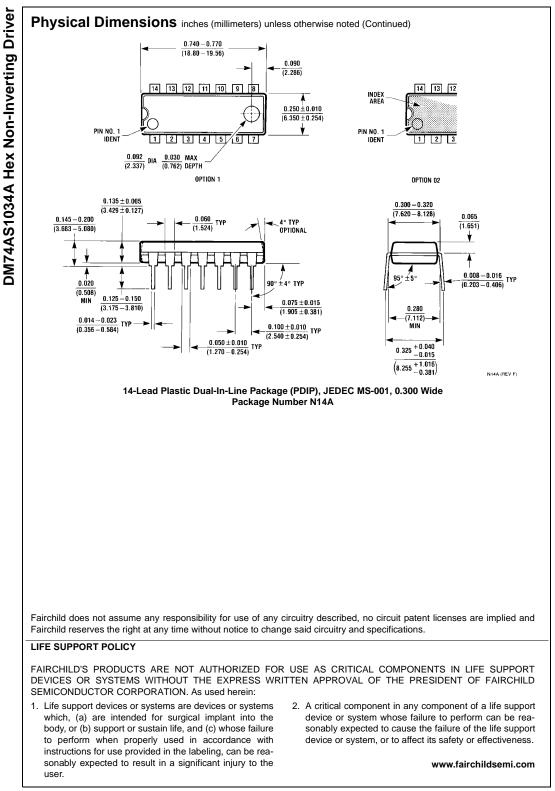
Switching Characteristics

over recommended operating free air temperature range Symbol Parameter Conditions Min Max Units Propagation Delay Time V_{CC} = 4.5V to 5.5V t_{PLH} 1 6 ns LOW-to-HIGH Level Output $R_L=500\Omega$ $C_L = 50 \text{ pF}$ Propagation Delay Time t_{PHL} 1 6 ns HIGH-to-LOW Level Output

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