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Absolute Maximum Ratings(Note 1)

Supply Voltage	7V
Input Voltage	5.5V
Output Voltage	15V
Operating Free Air Temperature Range	$0^{\circ}C$ to $+70^{\circ}C$
Storage Temperature Range	$-65^\circ C$ to $+150^\circ C$

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
V _{CC}	Supply Voltage	4.75	5	5.25	V
V _{IH}	HIGH Level Input Voltage	2			V
V _{IL}	LOW Level Input Voltage			0.8	V
V _{OH}	HIGH Level Output Voltage			15	V
I _{OL}	LOW Level Output Current			16	mA
T _A	Free Air Operating Temperature	0		70	°C

Electrical Characteristics

over recommended operating free air temperature range (unless otherwise noted)

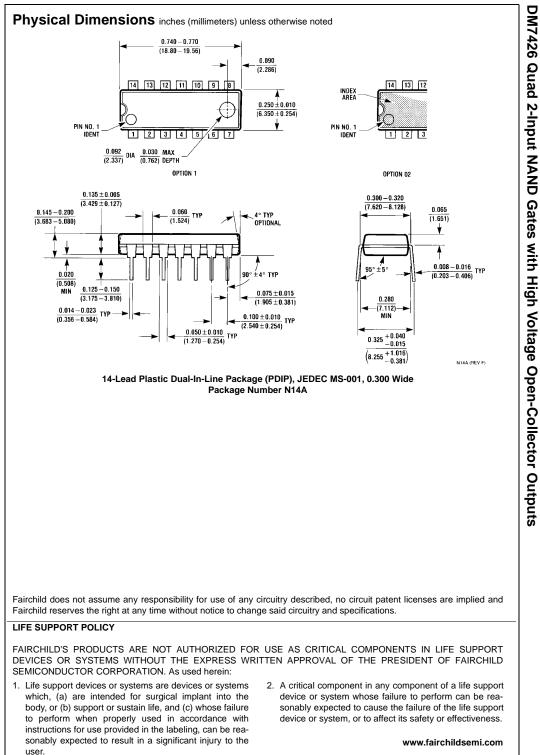
Symbol	Parameter	Con	ditions	Min	Typ (Note 2)	Max	Units	
VI	Input Clamp Voltage	$V_{CC} = Min, I_I = -12 \text{ mA}$				-1.5	V	
I _{CEX}	HIGH Level	V _{CC} = Min	V _O = 15V			1000		
	Output Current	V _{IL} = Max	V ₀ = 12V			50	μA	
V _{OL}	LOW Level	V _{CC} = Min, I _{OL} = Max	•			0.4	0.4 V	
	Output Voltage	V _{IH} = Min				0.4	v	
l _l	Input Current @ Max	V _{CC} = Max,				1	mA	
	Input Voltage	$V_{I} = 5.5V$						
I _{IH}	High Level Input Current	$V_{CC} = Max, V_I = 2.4V$				40	μΑ	
IIL	Low Level Input Current	$V_{CC} = Max, V_I = 0.4V$				-1.6	mA	
I _{CCH}	Supply Current with Outputs HIGH	V _{CC} = Max			4	8	mA	
I _{CCL}	Supply Current with Outputs LOW	V _{CC} = Max			12	22	mA	

Note 2: All typicals are at V_{CC} = 5V, T_A = 25^{\circ}C.

Switching Characteristics

at $V_{CC} = 5V$ and $T_A = 25^{\circ}C$						
Symbol	Parameter	Conditions	Min	Max	Units	
t _{PLH}	Propagation Delay Time LOW-to-HIGH Level Output	C _L = 15 pF R _I = 1 kΩ (t _{PI H})		24	ns	
t _{PHL}	Propagation Delay Time			17		
	HIGH-to-LOW Level Output			17	ns	

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