

Rochester Electronics Manufactured Components

Rochester branded components are manufactured using either die/wafers purchased from the original suppliers or Rochester wafers recreated from the original IP. All recreations are done with the approval of the OCM.

Parts are tested using original factory test programs or Rochester developed test solutions to guarantee product meets or exceed the OCM data sheet.

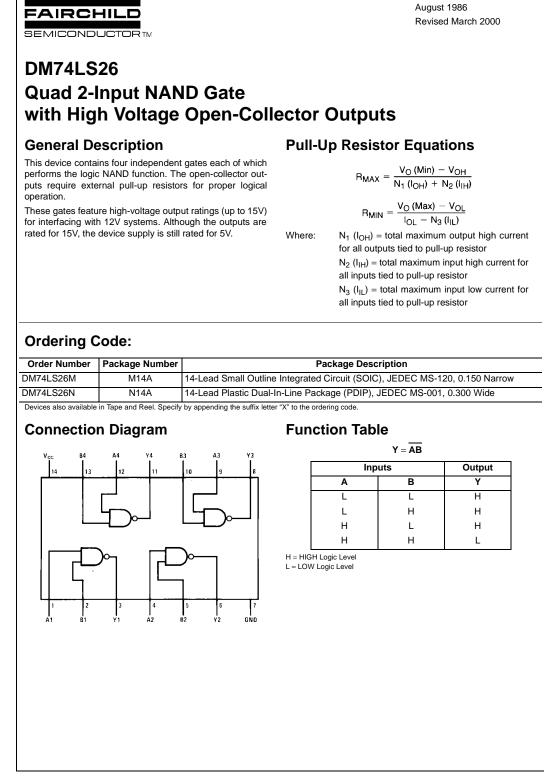
Quality Overview

- ISO-9001
- AS9120 certification
- Qualified Manufacturers List (QML) MIL-PRF-35835
 - Class Q Military
 - Class V Space Level
- Qualified Suppliers List of Distributors (QSLD)

• Rochester is a critical supplier to DLA and meets all industry and DLA standards.

Rochester Electronics, LLC is committed to supplying products that satisfy customer expectations for quality and are equal to those originally supplied by industry manufacturers.

The original manufacturer's datasheet accompanying this document reflects the performance and specifications of the Rochester manufactured version of this device. Rochester Electronics guarantees the performance of its semiconductor products to the original OEM specifications. 'Typical' values are for reference purposes only. Certain minimum or maximum ratings may be based on product characterization, design, simulation, or sample testing.



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Absolute Maximum Ratings(Note 1)

Supply Voltage	7V
Input Voltage	7V
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			8	mA
T _A	Free Air Operating Temperature	0		70	°C

Electrical Characteristics

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

Symbol	Parameter			Min	Typ (Note 2)	Max	Units	
VI	Input Clamp Voltage					-1.5	V	
ICEX	HIGH Level	V _{CC} = Min	V _O = 15V			1000	μА	
	Output Current	V _{IL} = Max	$V_0 = 12V$			50 µA		
V _{OL}	LOW Level	V _{CC} = Min, I _{OL} = Max			0.35	0.5		
	Output Voltage	$V_{IH} = Min$		0.55	0.5	V		
		$I_{OL} = 4 \text{ mA}, V_{CC} = \text{Min}$		0.25	0.4			
lı	Input Current @ Max	$V_{CC} = Max, V_I = 7V$	0.1	mA				
	Input Voltage	$V_{I} = 5.5V$				0.1	ШA	
I _{IH}	HIGH Level Input Current	$V_{CC} = Max, V_I = 2.7V$				20	μΑ	
IIL	LOW Level Input Current	$V_{CC} = Max, V_I = 0.4V$				-0.36	mA	
I _{CCH}	Supply Current with Outputs HIGH	V _{CC} = Max			0.8	1.6	mA	
I _{CCL}	Supply Current with Outputs LOW	V _{CC} = Max			2.4	4.4	mA	

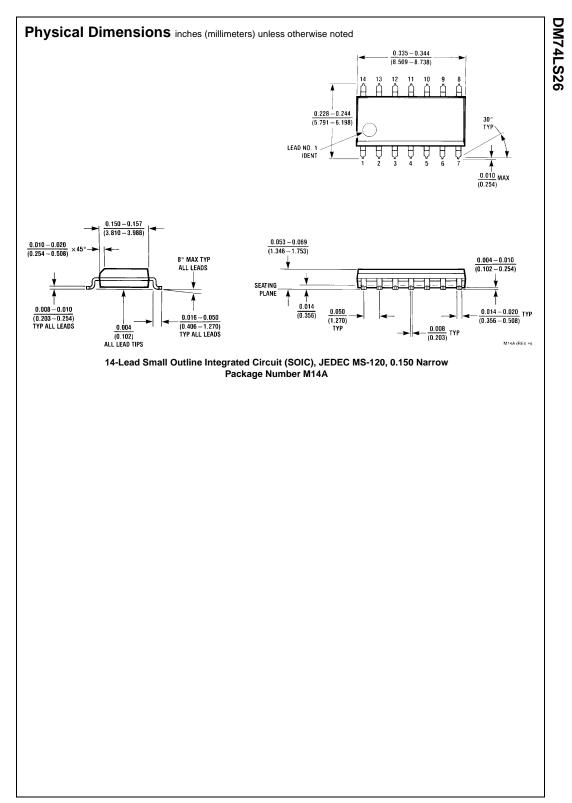
Note 2: All typicals are at V_{CC} = 5V, $T_A = 25^{\circ}C$.

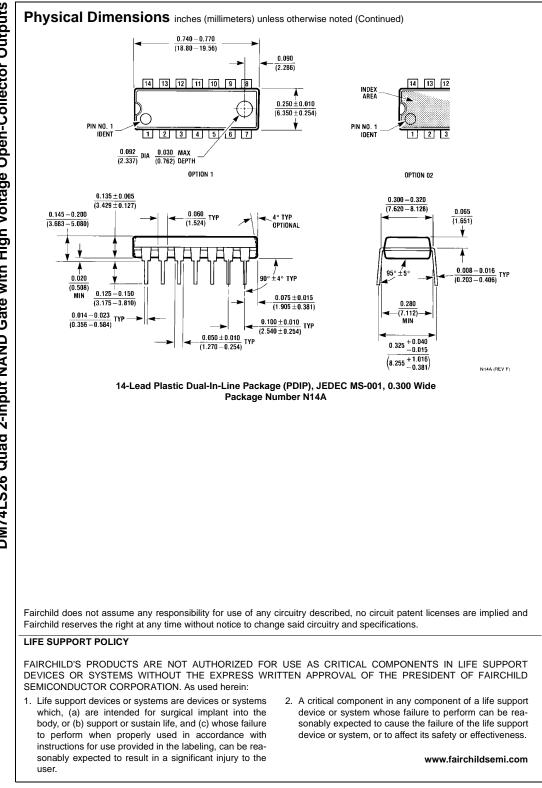
Switching Characteristics

at $V_{CC} = 5V$ and $T_{\Delta} = 25^{\circ}C$

	Parameter					
Symbol		C _L = 15 pF		C _L = 50 pF		Units
		Min	Max	Min	Max	
t _{PLH}	Propagation Delay Time LOW-to-HIGH Level Output		20		45	ns
t _{PHL}	Propagation Delay Time HIGH-to-LOW Level Output		15		20	ns

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DM74LS26 Quad 2-Input NAND Gate with High Voltage Open-Collector Outputs

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