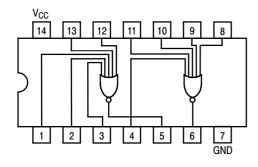
SN74LS260

Dual 5-Input NOR Gate





ON Semiconductor™

http://onsemi.com

LOW **POWER SCHOTTKY**

GUARANTEED OPERATING RANGES

July, 2006 - Rev. 8

Symbol	Parameter	Min	Тур	Max	Unit
V _{CC}	Supply Voltage	4.75	5.0	5.25	V
T _A	Operating Ambient Temperature Range	0	25	70	ô
I _{OH}	Output Current - High			-0.4	mA
l _{OL}	Output Current – Low			8.0	mA



N SUFFIX CASE 646



SOIC **D SUFFIX** CASE 751A

ORDERING INFORMATION

Device	Package	Shipping	
SN74LS260N	14 Pin DIP	2000 Units/Box	
SN74LS260D	SOIC-14	55 Units/Rail	
SN74LS260DR2	SOIC-14	2500/Tape & Reel	

SN74LS260

DC CHARACTERISTICS OVER OPERATING TEMPERATURE RANGE (unless otherwise specified)

		Limits						
Symbol	Parameter	Min	Тур	Max	Unit	Test Conditions		
V _{IH}	Input HIGH Voltage	2.0			V	Guaranteed Input HIGH Voltage for All Inputs		
V _{IL}	Input LOW Voltage			0.8	V	Guaranteed Input LOW Voltage for All Inputs		
V _{IK}	Input Clamp Diode Voltage		-0.65	-1.5	V	V _{CC} = MIN, I _{IN} =	V _{CC} = MIN, I _{IN} = -18 mA	
V _{OH}	Output HIGH Voltage	2.7	3.5		V	V_{CC} = MIN, I_{OH} = MAX, V_{IN} = V_{IH} or V_{IL} per Truth Table		
V	O to 11 OM/Mallana		0.25	0.4	V	I _{OL} = 4.0 mA	V _{CC} = V _{CC} MIN,	
V _{OL}	Output LOW Voltage		0.35	0.5	٧	I _{OL} = 8.0 mA	V _{IN} = V _{IL} or V _{IH} per Truth Table	
	lanut IIICI I Current			20	μΑ	V _{CC} = MAX, V _{IN} = 2.7 V		
I _{IH}	Input HIGH Current			0.1	mA	V _{CC} = MAX, V _{IN} = 7.0 V		
I _{IL}	Input LOW Current			-0.4	mA	V _{CC} = MAX, V _{IN} = 0.4 V		
I _{OS}	Short Circuit Current (Note 1)	-20		-100	mA	V _{CC} = MAX		
I _{CC}	Power Supply Current Total, Output HIGH Total, Output LOW			4.0	mA	Vcc = MAX		

Note 1: Not more than one output should be shorted at a time, nor for more than 1 second.

AC CHARACTERISTICS (T_A = 25°C)

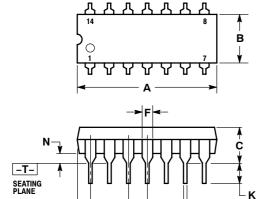
			Limits		C	0.00
Symbol	Parameter	Min	Тур	Max	Unit	Test Conditions
t _{PLH}	Turn-Off Delay, Input to Output		5.0	15	ns	V _{CC} = 5.0 V
t _{PHL}	Turn-On Delay, Input to Output		6.0	15	ns	C _L = 15 pF
	O RIFIGOR	OF A				

SN74LS260

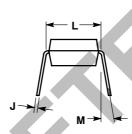
PACKAGE DIMENSIONS

N SUFFIX

PLASTIC PACKAGE CASE 646-06 **ISSUE M**



G

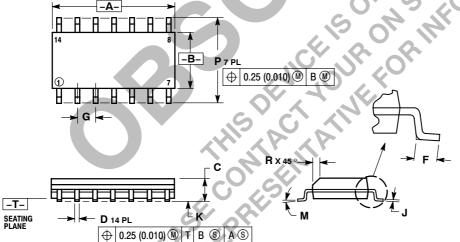


NOTES:

- DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982. CONTROLLING DIMENSION: INCH.
- DIMENSION L TO CENTER OF LEADS WHEN FORMED PARALLEL.
- DIMENSION B DOES NOT INCLUDE MOLD FLASH.
- ROUNDED CORNERS OPTIONAL.

	INC	HES	MILLIMETERS			
DIM	MIN	MAX	MIN	MAX		
Α	0.715	0.770	18.16	18.80		
В	0.240	0.260	6.10	6.60		
С	0.145	0.185	3.69	4.69		
D	0.015	0.021	0.38	0.53		
F	0.040	0.070	1.02	1.78		
G	0.100	BSC	2.54 BSC			
H	0.052	0.095	1.32	2.41		
J	0.008	0.015	0.20	0.38		
K	0.115	0.135	2.92	3.43		
L	0.290	0.310	7.37	7.87		
M		10°		10°		
N	0.015	0.039	0.38	1.01		

D SUFFIX PLASTIC SOIC PACKAGE CASE 751A-03 **ISSUE F**



◆ D 14 PL

 \oplus

0.13 (0.005) M

- DIMENSIONING AND TOLERANCING PER ANSI
- CONTROLLING DIMENSION: MILLIMETER DIMENSIONS A AND B DO NOT INCLUDE MOLD PROTRUSION.
- MAXIMUM MOLD PROTRUSION 0.15 (0.006) PER SIDE.
- 5. DIMENSION D DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.127 (0.005) TOTAL IN EXCESS OF THE D DIMENSION AT MAXIMUM MATERIAL CONDITION

	MILLIN	IETERS	INCHES		
DIM	MIN	MAX N		MAX	
Α	8.55	8.75	0.337	0.344	
В	3.80	4.00	0.150	0.157	
С	1.35	1.75	0.054	0.068	
D	0.35	0.49	0.014	0.019	
F	0.40	1.25	0.016	0.049	
G	1.27 BSC		0.050 BSC		
J	0.19	0.25	0.008	0.009	
K	0.10	0.25	0.004	0.009	
M	0 °	7°	0 °	7°	
Р	5.80	6.20	0.228	0.244	
R	0.25	0.50	0.010	0.019	

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