

QUAD 2-INPUT NAND BUFFER

• ESD > 3500 Volts

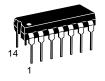
*OPEN COLLECTOR OUTPUTS

SN54/74LS26

QUAD 2-INPUT NAND BUFFER LOW POWER SCHOTTKY



J SUFFIX CERAMIC CASE 632-08



N SUFFIX PLASTIC CASE 646-06



D SUFFIX SOIC CASE 751A-02

ORDERING INFORMATION

SN54LSXXJ SN74LSXXN SN74LSXXD Ceramic Plastic SOIC

GUARANTEED OPERATING RANGES

Symbol	Parameter		Min	Тур	Max	Unit
Vcc	Supply Voltage	54 74	4.5 4.75	5.0 5.0	5.5 5.25	V
TA	Operating Ambient Temperature Range	54 74	-55 0	25 25	125 70	°C
Vон	Output Voltage — High	54, 74			15	V
lOL	Output Current — Low	54 74			4.0 8.0	mA

SN54/74LS26

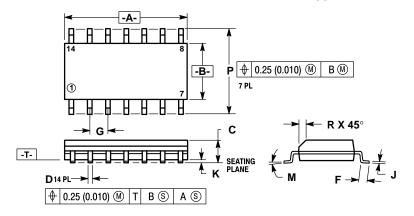
DC CHARACTERISTICS OVER OPERATING TEMPERATURE RANGE (unless otherwise specified)

			Limits					
Symbol	Parameter		Min	Тур	Max	Unit	Test Conditions	
VIH	Input HIGH Voltage		2.0			V	Guaranteed Input HIGH Voltage for All Inputs	
	Input LOW Voltage	54			0.7	V	Guaranteed Input LOW Voltage for All Inputs	
VIL		74			0.8	V		
VIK	Input Clamp Diode Voltage			-0.65	-1.5	V	V _{CC} = MIN, I _{IN} = -18 mA	
1	Output HIGH Current	54, 74			1000	μΑ	V _{CC} = MIN, V _{OH} = MAX	
IOH		54, 74			50	μΑ	V _{CC} = MIN, V _{OH} = 12 V	
V _{OL}	Output LOW Voltage	54, 74		0.25	0.4	V	I _{OL} = 4.0 mA	V _{CC} = V _{CC} MIN, V _{IN} = V _{IL} or V _{IH} per Truth Table
		74		0.35	0.5	V	I _{OL} = 8.0 mA	
1	H Input HIGH Current				20	μΑ	V _{CC} = MAX, V _{IN}	= 2.7 V
۱ін					0.1	mA	V _{CC} = MAX, V _{IN} = 7.0 V	
IIL	Input LOW Current				-0.4	mA	$V_{CC} = MAX$, $V_{IN} = 0.4 V$	
Icc	Power Supply Current Total, Output HIGH Total, Output LOW				1.6	mA	V _{CC} = MAX	
					4.4			

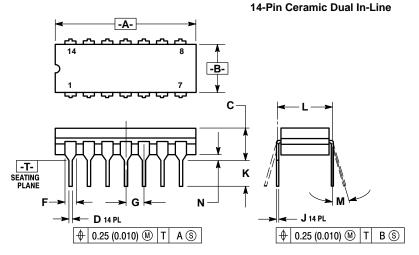
AC CHARACTERISTICS $(T_A = 25^{\circ}C)$

		Limits				
Symbol	Parameter	Min	Тур	Max	Unit	Test Conditions
^t PLH	Turn-Off Delay, Input to Output		17	32	ns	V _{CC} = 5.0 V
tPHL	Turn-On Delay, Input to Output		15	28	ns	$C_L = 15 \text{ pF}, R_L = 2.0 \text{ k}\Omega$

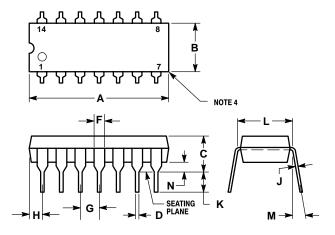
Case 751A-02 D Suffix 14-Pin Plastic **SO-14**



Case 632-08 J Suffix



Case 646-06 N Suffix 14-Pin Plastic



NOTES:

- DIMENSIONS "A" AND "B" ARE DATUMS AND
 "T" IS A DATUM SURFACE.

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- DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
- CONTROLLING DIMENSION: MILLIMETER.
 DIMENSION A AND B DO NOT INCLUDE MOLD PROTRUSION.
 MAXIMUM MOLD PROTRUSION 0.15 (0.006)
- 6. 751A-01 IS OBSOLETE, NEW STANDARD 751A-02.

	MILLIM	ETERS	INCHES		
DIM	MIN	MAX	MIN	MAX	
Α	8.55	8.75	0.337	0.344	
В	B 3.80 4.00		0.150	0.157	
С	1.35 1.75		0.054	0.068	
D	D 0.35 0.49		0.014	0.019	
F	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	K 0.10 0.25		0.004	0.009	
M	M 0° 7°		0°	7°	
P	5.80 6.20		0.229	0.244	
R	0.25	0.50	0.010	0.019	

- IOLES:
 1. DIMENSIONING AND TOLERANCING PER ANSI
 Y14.5M, 1982.
 2. CONTROLLING DIMENSION: INCH.
 3. DIMENSION L TO CENTER OF LEAD WHEN
 FORMED PARALLEL.
 4. DIM F MAY NARROW TO 0.76 (0.030) WHERE

- THE LEAD ENTERS THE CERAMIC BODY.
 5. 632-01 THRU -07 OBSOLETE, NEW STANDARD

	MILLIM	ETERS	INCHES		
DIM	MIN	MAX	MIN	MAX	
Α	19.05	19.94	0.750	0.785	
В	6.23 7.11		0.245	0.280	
С	3.94	5.08	0.155	0.200	
D	0.39	0.50	0.015	0.020	
F	F 1.40 1.65		0.055	0.065	
G	2.54 BSC		0.100 BSC		
J	0.21	0.38	0.008	0.015	
K	3.18	3.18 4.31		0.170	
L	7.62 BSC		0.300 BSC		
М	0° 15°		0°	15°	
N	0.51	0.51 1.01		0.040	

- NOTES:

 1. LEADS WITHIN 0.13 mm (0.005) RADIUS OF TRUE POSITION AT SEATING PLANE AT MAXIMUM MATERIAL CONDITION.

 2. DIMENSION "L" TO CENTER OF LEADS WHEN FORMED PARALLEL.

 3. DIMENSION "B" DOES NOT INCLUDE MOLD ELACH.
- FLASH
- ROUNDED CORNERS OPTIONAL. 646-05 OBSOLETE, NEW STANDARD 646-06.

	MILLIM	ETERS	INCHES			
DIM	MIN	MAX	MIN	MAX		
Α	18.16	19.56	0.715	0.770		
В	6.10	6.60	0.240	0.260		
С	3.69	4.69	0.145	0.185		
D	0.38	0.53	0.015	0.021		
F	1.02 1.78		0.040	0.070		
G	2.54	BSC	0.100 BSC			
Н	1.32	2.41	0.052	0.095		
J	0.20 0.38		0.008	0.015		
K	2.92	3.43	0.115	0.135		
L	7.62	BSC	0.300 BSC			
M	0°	10°	0°	10°		
N	0.39	1.01	0.015	0.039		

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