HD74HC132

Quad. 2-input NAND Schmitt Triggers

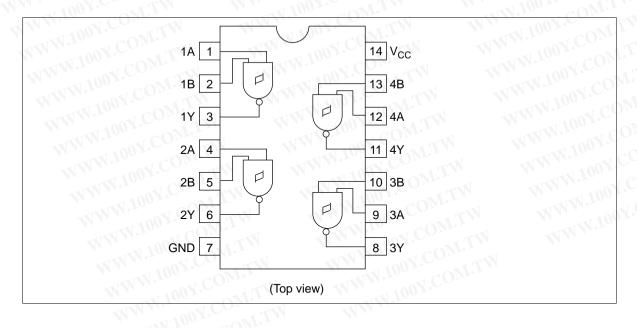
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勝特力材料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

Features

- High Speed Operation: $t_{pd} = 9.5$ ns typ ($C_L = 50$ pF)
- High Output Current: Fanout of 10 LSTTL Loads
- Wide Operating Voltage: $V_{CC} = 2 \text{ to } 6 \text{ V}$
- Low Input Current: 1 µA max
- Low Quiescent Supply Current: I_{CC} (static) = 1 μ A max (Ta = 25°C)

Pin Arrangement

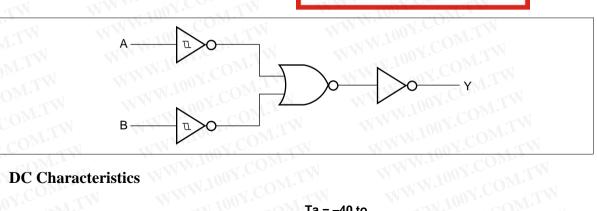




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Logic Diagram (1/4)

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DC Characteristics

DC Characteristics											
	Symbol	V _{cc} (V)	Ta = 25°C			Ta = −40 to +85°C					
Item			Min	Тур	Max	Min	Max	Unit Test Conditi	Test Conditio	ns	
Threshold voltage	V _{T+}	2.0	0.8	in l	1.5	0.8	1.5	V	WW 100	Y.COM.T	
		4.5	2.25	<u></u>	3.15	2.25	3.15	_			
		6.0	3.0	70.	4.2	3.0	4.2				
	V _{T-}	2.0	0.2	AU	1.0	0.2	1.0	V	WWW.I	N.COM	
		4.5	0.9	4 1.	2.25	0.9	2.25	=' ~~1			
		6.0	1.2	an N	3.0	1.2	3.0				
Hysteresis voltage	V _H	2.0	0.2		1.2	0.2	1.2	V	N. S.	W.1001.C	
		4.5	0.4		2.25	0.4	2.25	WT.I			
		6.0	0.6	4IN	3.0	0.6	3.0	VT.N			
Output voltage	V _{OH}	2.0	1.9	2.0		1.9	<u>A</u> CO	V	$Vin = V_{IH} \text{ or } V_{IL}$	I _{OH} = -20 μA	
		4.5	4.4	4.5	AN P	4.4	A.C	Jur.			
		6.0	5.9	6.0	N - N	5.9	.17	ON.			
		4.5	4.18	_	2	4.13		COM		I _{он} = -4 mA	
		6.0	5.68	_	_	5.63	100.2			I _{он} = -5.2 mA	
	V _{OL}	2.0		0.0	0.1	V VZ	0.1	V	$Vin = V_{IH} \text{ or } V_{IL}$	I _{oL} = 20 μA	
		4.5		0.0	0.1		0.1	JY .~			
		6.0	T.V	0.0	0.1	\overline{M}	0.1	201.0			
		4.5	T	N	0.26	-21/	0.33	100Y.		$I_{OL} = 4 \text{ mA}$	
		6.0		4	0.26	-	0.33	-		I _{oL} = 5.2 mA	
Input current	lin	6.0	<u></u> (WT	±0.1	_	±1.0	μΑ	Vin = V _{cc} or GND		
Quiescent supply current	I _{cc}	6.0	\overline{O}_{bn}		1.0	—	10	μA	Vin = V_{cc} or GND, lout = 0 μ A		

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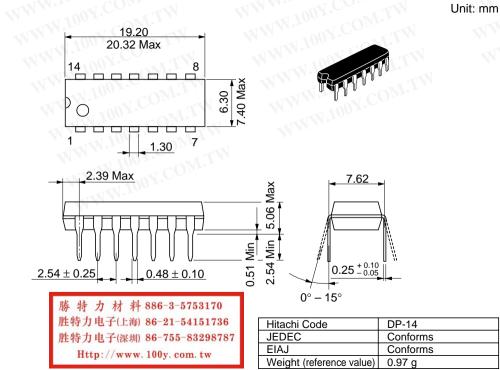
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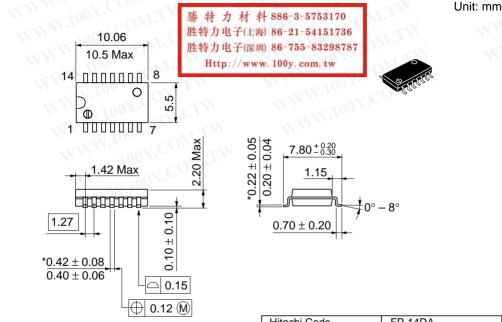
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AC Characteristics ($C_r = 50 \text{ pF}$, Input $t_s = t_s = 6 \text{ ns}$)

	Symbol	V _{cc} (V)	Ta = 25°C			Ta = −40 to +85°C		
Item			Min	Тур	Max	Min	Max	Unit Test Conditions
Propagation delay	t _{PLH}	2.0	C _{ON}	<u>1</u>	100	_	125	ns <u>costa co</u>
time		4.5	07	8	20	—	25	勝特力材料 886-3-5753
		6.0		OM.	17	1	21	胜特力电子(上海) 86-21-5415
	t _{PHL}	2.0	<u>N</u>	No-	100	-	125	ns 胜特力电子(深圳) 86-755-832
		4.5	07.	11	20	<u>N</u>	25	Http://www.100y.com.t
		6.0	0 0 1	<u>e</u>	17	121	21	WWW.1002. CONTIN
Output rise/fall	t _{TLH}	2.0	100	10	75	NPT.	95	ns 100X. M.T.
time	t _{THL}	4.5		5	15	V.	19	WWW. 100X.COM TW
		6.0	1 <u>-1</u> 0	1	13	<u>-</u>	16	WWW.100X.COM
Input capacitance	Cin		AT.L	5	10	Mr.	10	pF WWW. COM

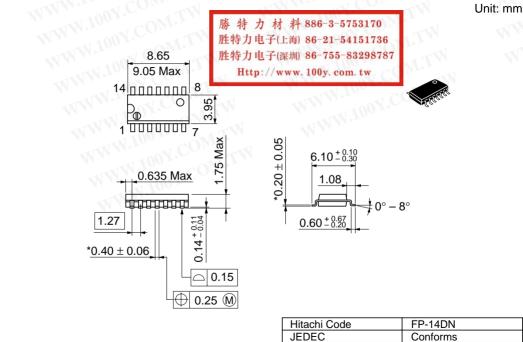
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*Dimension including the plating thickness Base material dimension

Hitachi Code	FP-14DA
JEDEC	
EIAJ	Conforms
Weight (reference value)	0.23 g



EIAJ

Weight (reference value)

Conforms

0.13 g

*Pd plating

N. N. N.

Cautions

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