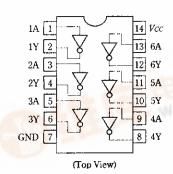
HD74直906 Hex Inverter Buffers/Drivers (With

■ PIN ARRANGEMENT



M ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Ratings	Unit V	
Supply voltage	Vcc	7.0		
Input voltage	Vin	7.0	V	
Output voltage	Vout	30	V	
Operating temperature range	Topr	-20 ~ +75	°C	
Storage temperature range	Tstg	65 ~ +150	°C	

■ RECOMMENDED OPERATING CONDITIONS

Item	Symbol	min	typ	max	Unit
Supply voltage	Vcc	4.75	5.00	5.25	V
High level output voltage	Von		77 449	30	V
Low level output current	lor		A (-0)	48	mA
Operating temperature range	Topr	-20	25	75	°C



■ ELECTRICAL CHARACTERISTICS (*Ta* = -20 ~ +75°C)

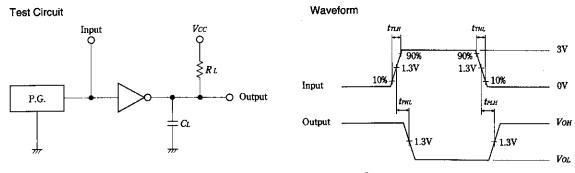
Item	Symbol	Test Conditions			min	typ*	max	Unit
	Viн				2.0	_	_	V
Input voltage	VIL				-		0.8	V
Output voltage	T7	V 17637	<i>ViH</i> = 2V	<i>IoL</i> = 24mA			0.4	V
	VOL	Vol $Vcc = 4.75V$,		<i>Iot</i> = 48mA	-		0.5	V
Input current	Іін	$V_{CC} = 5.25V$	$V_I = 2.7V$			_	20	μA
	<i>IIL</i>	Vcc = 5.25V,	$V_I = 0.4V$			-	-0.4	mA
	II	Vcc = 5.25V,	<i>VI</i> = 7V		_	-	0.1	mA
Output current	Іон	Vcc = 4.75V,	VIL = 0.8V,	<i>VoH</i> = 30V	_	_	250	μA
Supply current Ic	Іссн	Vcc = 5.25V			T	23	48	mA
	Iccl	Vcc = 5.25V				21	51	mA
Input clamp voltage	Vik	$V_{CC} = 4.75V$,	IIN = -18mA		_	_	-1.5	V

^{*}Vcc = 5V, Ta = 25°C

■ SWITCHING CHARACTERISTICS (Vcc = 5V, Ta = 25°C)

Item	Symbol	Test Conditions	min	typ	max	Unit
Propagation delay time	tpl.H	C: 15-F Pr 1100		10	15	ns
	tehl.	$CL = 15 \text{pF}, RL = 110\Omega$	_	15	23	ns

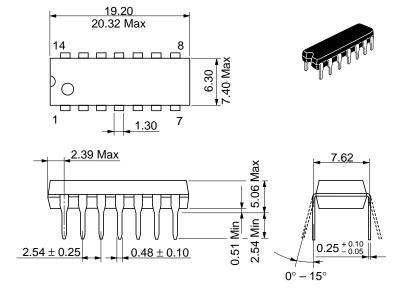
■ TESTING METHOD



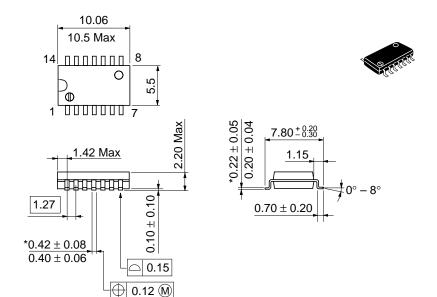
Notes) 1. Input pulse: PRR = 1MHz, duty cycle 50%, Zout = 50Ω, trlH≤15ns. trHL≤6ns

- 2. CL includes probe and jig capacitance.
- 3. All diodes are 1S2074(H)

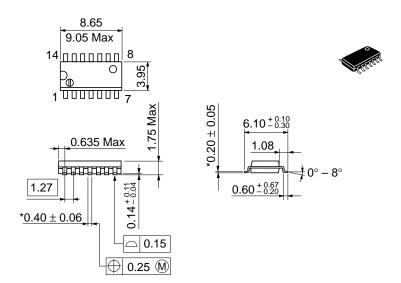








Unit: mm



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