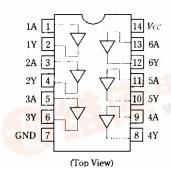
■ PIN ARRANGEMENT



■ ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Ratings	Unit
Supply voltage	Vcc :	7.0	V
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	Vон			30	V
Low level output current	IoL	7-1	C.CO.	48	mA
Operating temperature range	Topr	-20	25	75	°C



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

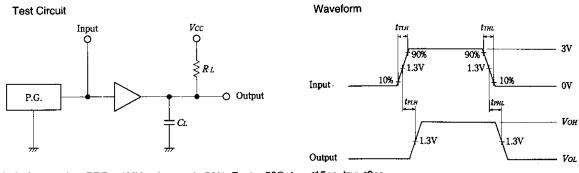
Item	Symbol	Test Conditions			min	typ*	max	Unit
	V _{IH}				2.0	_		V
Input voltage	VIL					_	0.8	V
Output voltage		tr . Appri	V1L = 0.8V	IoL = 24mA		_	0.4	V
	VOL	Vol $Vcc = 4.75V$,		IoL = 48mA	-		0.5	V
Input current I	Іін	$V_{CC} = 5.25 \text{V}$	VI = 2.7V		-	_	20	μA
	ĬıL	Vcc = 5.25V,	$V_I = 0.4 \text{V}$		_		-0.4	mA
	<u>I</u> t	Vcc = 5.25V,	<i>VI</i> = 7V			-	0.1	mA
Output current	Іон	Vcc = 4.75V,	$V_{IH} = 2V$,	<i>VoH</i> = 30V	_	-	250	μА
Supply current Ic	Іссн	Vcc = 5.25V				22	41	mA
	Icci	Vcc = 5.25V				17	30	mA
Input clamp voltage	Vik	Vcc = 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	t _{PLH}	0 15 D P- 1100		10	15	ns
	tphl.	$CL = 15 \text{pF}, RL = 110\Omega$	-	20	30	ns

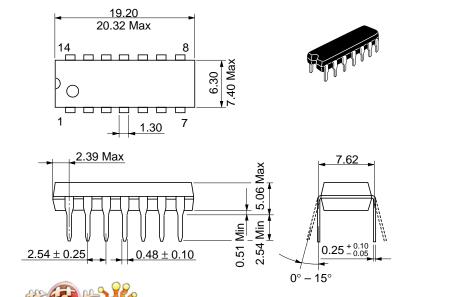
■ TESTING METHOD



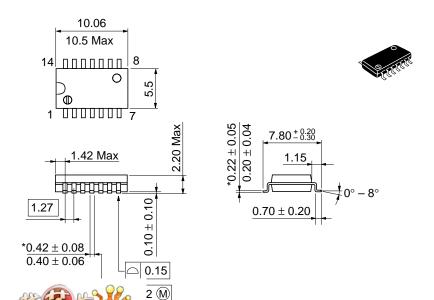
Notes) 1. Input pulse: PRR = 1MHz, duty cycle 50%, Zout = 50Ω , tTLH \leq 15ns. tTHL \leq 6ns

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

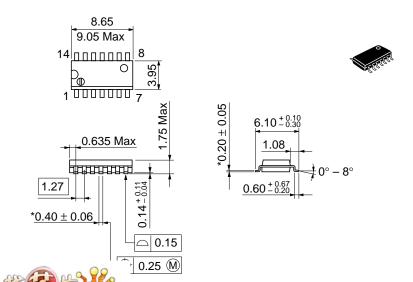












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