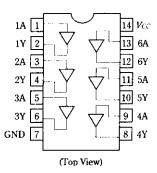
■ PIN ARRANGEMENT



■ 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	Voн	_	_	30	v
Low level output current	IOL	_	_	48	mA
Operating temperature range	Topr	-20	25	75	°C

ELECTRICAL CHARACTERISTICS $(Ta = -20 \sim +75^{\circ}C)$

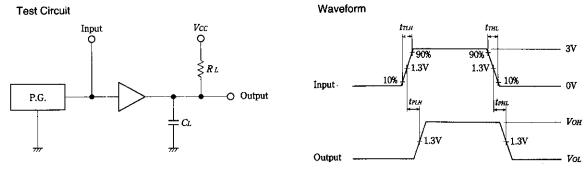
Item	Symbol	Test Conditions		min	typ*	max	Unit	
	V _{IH}		2,,		2.0	_		V
Input voltage	Vil					_	0.8	V
Output voltage Vol		T A.D.C.T.	V1L = 0.8V	IoL = 24mA	_		0.4	V
	VOL	Vcc = 4.75V,		IoL = 48mA	-		0.5	V
	Іін	$V_{CC} = 5.25 \text{V}$	VI = 2.7V		-	_	20	μΑ
Input current In	ĬıL	Vcc = 5.25V,	$V_I = 0.4 \text{V}$		_		-0.4	mA
	<u>I</u> I	Vcc = 5.25V,	<i>VI</i> = 7V		_	_	0.1	mA
Output current	Іон	Vcc = 4.75V,	$V_{IH} = 2V$,	<i>VoH</i> = 30V	_	-	250	μA
Supply current Ico	Іссн	Vcc = 5.25V				22	41	mA
	Iccl	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 tPHL tPHL	C: 15-E R: 1100	_	10	15	ns	
		$CL = 15 \text{pF}, RL = 110\Omega$		20 30	ns	

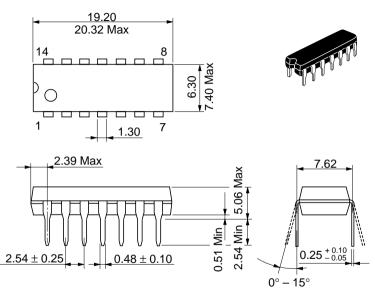
■ TESTING METHOD



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

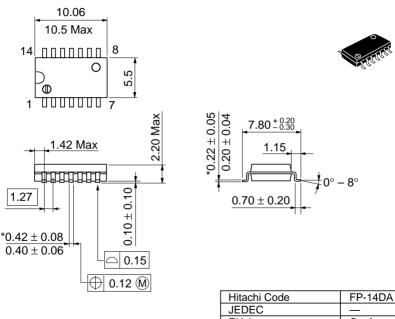
- 2. Ct. includes probe and jig capacitance.
- 3. All diodes are 1S2074(H)

Unit: mm



Hitachi Code	DP-14
JEDEC	Conforms
EIAJ	Conforms
Weight (reference value)	0.97 g

Unit: mm



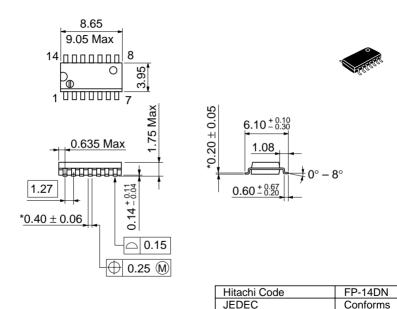
*Dimension including the plating thickness
Base material dimension

*Dimension including the plating thickness

Base material dimension

*United States of The 14-57 of The 14

Unit: mm



EIAJ

Weight (reference value)

Conforms

0.13 g

*Pd plating

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