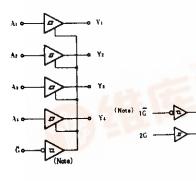
HD7425241

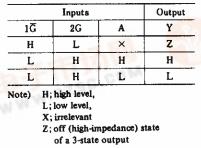
●Octal Buffers/Lin基的Ners为HeCRECEVERS,24小时加急

(non inverted three-state outputs)

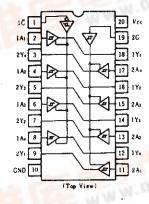
BLOCK DIAGRAM (1/2)



FUNCTION TABLE



PIN ARRANGEMENT



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

	Item	Symbol	Test Conditions		min	typ*	max	Unit
Input voltage		Vin			2.0		. –	V
		VIL	-C . CO		-	_	0.8	v
Hysteresis		$V_T^+ - V_T^-$	Vcc=4.75V		0.2	0.4		V
Output voltage		Vон	$V_{CC} = 4.75V, V_{IH} = 2V, V_{IL} = 0.8V, I_{OH} = -3mA$		2.4	_	_	v
			$V_{CC} = 4.75$ V, $V_{IH} = 2$ V, $V_{IL} = 0.5$ V, $I_{OH} = -15$ mA		2.0	_	-	
		Vol	$V_{CC} = 4.75 V, V_{IH} = 2 V,$ $V_{IL} = 0.8 V$	Io1 = 12mA	_	-	0.4	v
				$I_{OL} = 24 \text{mA}$			0.5	
Output current		Іогн	$V_{cc} = 5.25 V, V_{IH} = 2 V,$	$V_0 = 2.7 V$		-	20	μA
		Iozi	$V_{IL}=0.8V$	$V_0 = 0.4V$	-		- 20	
Input current		Ін	$V_{CC} = 5.25 \text{V}, V_I = 2.7 \text{V}$		-		20	μA
		li1	$V_{\rm CC} = 5.25 V, V_{\rm I} = 0.4 V$				-0.2	mA
		I.	$V_{cc} = 5.25 V, V_l = 7 V$		/ -	_	0.1	mA
Short-circuit output current		los	Vcc=5.25V		- 40	-	- 225	mA
Supply current**	Outputs high	Icc	<i>Vcc</i> = 5.25V			13	23	mA
	Outputs low				_	27	46	
	All outputs disabled				-	32	54	
Input clamp voltage		Vik	$V_{cc} = 4.75 V, I_{IN} = -18 m A$			_	-1.5	v

* VCC=5V, Ta=25°C

** ICC is measured with all outputs open.

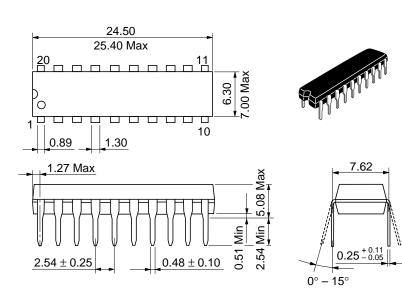
SWITCHING CHARACTERISTICS (*Vcc*=5V, *Ta*=25°C)

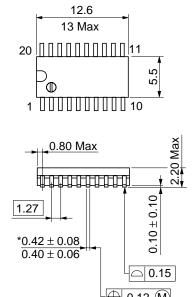
Item	Symbol	Test Conditions	min	typ	max	Unit
	tPLH	$C_L = 45 \mathrm{pF}, R_L = 667 \Omega$		12	18	ns
Propagation delay time	<i>tPHL</i>		<u> </u>	12	18	
Output enable time	łZL		_	20	30	ns
	tzH		-	15	23	กร
	tLZ	$C_L = 5 \mathrm{pF}, \ R_L = 667 \Omega$	-	15	25	ns
Output disable time	tHZ			10	18	ns

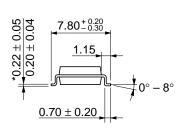
Note) Refer to Test Circuit and Waveform of the Common Item



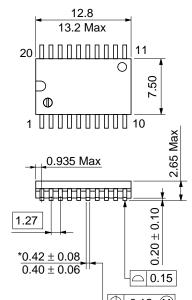
Unit: mm

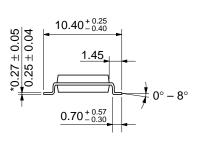






Unit: mm





Unit: mm

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