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OUT3-1

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0012-3

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ABSOLUTE MAXIMUM RATINGS (Ta=25℃)

PARAMETER	SYMBOL	RATINGS	UNIT	
Supply Voltage	V+	7	V	
Power Dissipation	P _D	(DIP16) 700 (DMP16) 300	mW	
Operating Temperature Range	Topr	-20~75		
Storage Temperature Range	Tstg	-40~125	°C	

ELECTRICAL CHARACTERISTICS (V+=5V, Ta=25°C)

PARAMETER	SYMBOL	TEST CONDITION						MIN.	TYP.	MAX	UNIT	
PARAMETER	STRIDUL.	IN2	1N3	IN4	V1	V2	٧3	RL	115 U IV.	116.	III/AA	
Operating Supply Voltage	Vopr	-	-	1	-	I	-	-	4. 75	5. 0	5. 25	V
Operating Current1	lcc1	1.5	1.5	1.5	0. 0	0.0	0pen	47k Ω	-	2. 0	4.0	mA
Operating Current2	lcc2	3.5	3.5	3.5	0.0	0.0	Open	lkΩ	-	10	13	mA
IN1-High Electric Potential Output Voltage1	IN1-H1	-	3. 5	3. 5	5. 0	-	_	1kΩ	3. 5	-	5. 0	v
IN1-Low Electric Potential Output Voltage1	IN1-L1	_	1.5	3. 5	5.0		-	1kΩ	2. 0	2. 5	3. 0	V
IN1-High Electric Potential Output Voltage2	IN1-H2	-	3.5	3. 5	0.0	-	-	1kΩ	2. 0	2. 5	3. 0	V
INI-Low Electric Potential Output Voltage2	IN1-L2	-	1.5	3. 5	0.0	-	-	1kΩ	0. 0	-	1.5	V
IN1-Input Impedance	IN1-Imp	-	3.5	1.5	5.0	-	-	47k Ω	47	80	120	kΩ

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Potential Output Voltage1 OUT1-High Electric OUT1-H2 - 1.5 3.5 INH* - 0.0 1kΩ 3.5 - 5.0 Potential Output - 1.5 3.5 INH* - 0.0 1kΩ 3.5 - 5.0	V
Voltage1 Image: Constraint of the state of	
OUT1-High Electric OUT1-H2 - 1.5 3.5 INH* - 0.0 1kΩ 3.5 - 5.0 Potential Output - 1.5 3.5 INH* - 0.0 1kΩ 3.5 - 5.0	
Potential Output	
Voltage2	
OUT1-Low Electric OUT1-L - 3.5 3.5 4.0 - Open 1kΩ 0.0 - 1.5	V
Potential Output	
Voltage	
OUT2-High Electric OUT2-H1 INH* - 3.5 - 5.0 Open 1kΩ 3.5 4.0 4.5	V
Potential Output	
Voltage1	
OUT2-Low Electric OUT2-L1 1.5 - 3.5 - 5.0 Open 1kΩ 1.5 2.0 2.5	V
Potential Output	
Voltage1	
OUT2-High Electric OUT2-H2 INH* - 3.5 - 0.0 Open 1kΩ 1.5 2.0 2.5	v
Potential Output	
Voltage2	
OUT2-Low Electric OUT2-L2 1.5 - 3.5 - 0.0 Open 1kΩ 0.0 - 1.5	v
Potential Output	
Voltage2	- <u>,</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	v
Potential Output	
Voltage3 · · · OUT2-Low Electric OUT2-L3 1.5 - 1.5 - 5.0 Open 47k Ω 0.0 - 1.5	v
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Potential Output Voltage3	
OUT3-High Electric OUT3-H 3.5 - 3.5 4.0 0.0 Open 47k Ω 3.5 - 5.0	- v
Potential Output	ľ
Voltage	
0UT3-Low Electric 0UT3-L1 1.5 - 3.5 1.0 5.0 0pen 47k Ω 0.0 - 1.5	v
Potential Output	
Voltage1	
0UT3-Low Electric 0UT3-L2 3.5 - 1.5 1.0 5.0 0pen 47kΩ 0.0 - 1.5	V
Potential Output	
Voltage2	
IN1, OUT2 Input V _{TH1-1} 1.5 1.0 1.3 2.0	V
Threshold Voltage1	
IN1, OUT2 Input V _{THI-2} - 3.5 3.5 3.0 3.65 4.5	V
Threshold Voltage2	
IN2, IN3, IN4 Input V _{TH2} 2.0 2.5 3.0	V
Threshold Voltage	
Inhibit Time1 INH1 - 1.5 3.5 INH* - 0.0 1kΩ 20 60 100	msec
(IN1→0UT1)	
Inhibit Time2 INH2 INH [*] - 3.5 - 5.0 0.0 1kΩ 20 60 100	msec
(1N2→0UT2)	
Slew Switch SS V ⁺ =0V, IN1=3.5V 47kΩ 3.5 - 4.0	V

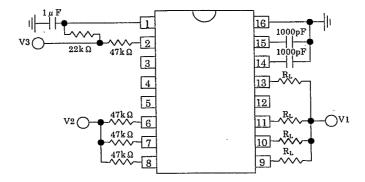
ELECTRICAL CHARACTERISTICS (V+=5V, Ta=25°C)

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TEST CIRCUIT

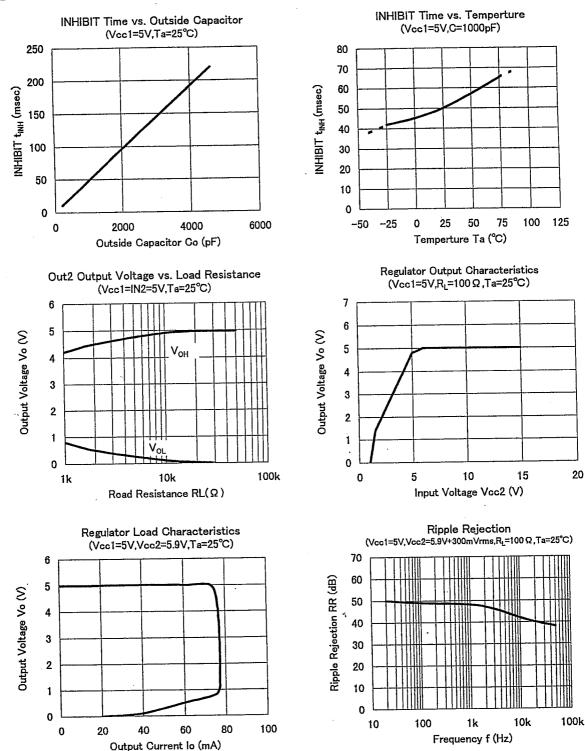
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