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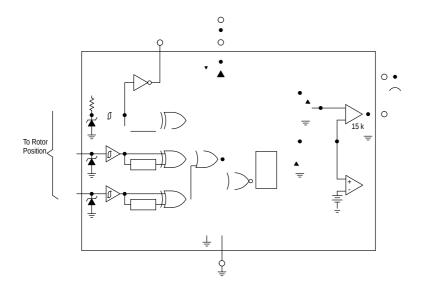
P -8 P SUFFIX CASE 626



Features

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SOIC-8 D SUFFIX



Representative Block Diagram

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MAXIMUM RATINGS

Rating	Symbol	Value	Unit
V _{CC} Zener Current	I _{Z(V_{CC})}	30	mA
Logic Input Current (Pins 1, 2, 3)	I _{IH}	5.0	mA
Output Current (Pins 4, 5), Sink or Source	I _{DRV}	20	mA
Power Dissipation and Thermal Characteristics Maximum Power Dissipation @ T _A = +85°C Thermal Resistance, Junction–to–Air	P _D R _{θJA}	650 100	mW °C/W
Operating Junction Temperature	T _J	+150	°C
Operating Ambient Temperature Range MC33039 NCV33039	T _A	-40 to +85 -40 to +125	°C
Storage Temperature Range	T _{stg}	-65 to +150	°C

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.

ELECTRICAL CHARACTERISTICS ($V_{CC} = 6.25 \text{ V}$, $R_T = 10 \text{ k}$, $C_T = 22 \text{ nF}$, $T_A = 25^{\circ}\text{C}$, unless otherwise noted)

Characteristic	Symbol	Min	Тур	Max	Unit
LOGIC INPUTS					
Input Threshold Voltage					V
High State	V_{IH}	2.4	2.1	_	
Low State	V_{IL}	_	1.4	1.0	
Hysteresis	V _H	0.4	0.7	0.9	
Input Current	I _{IH}				μΑ
High State (V _{IH} = 5.0 V)					
ФА		- 40	- 60	- 80	
φ _B , φ _C		_	- 0.3	- 5.0	
Low State (V _{IL} = 0 V)	I _{IL}				
ФΑ		- 190	- 300	- 380	
ф В, ф С		_	- 0.3	- 5.0	

MONOSTABLE AND OUTPUT SECTIONS

Output Voltage High State $f_{out} (I_{\mbox{source}} = 2.0 \mbox{ mA}) \mbox{EVA} \mbox{2.0252 041.874 53m4.13859 Tc(ut)Tj8 C$} \mbox{$\phi$_{\overline{A}}$ ($I_{\mbox{source}} = 2.0 \mbox{ mA})$} \mbox{Low State}$

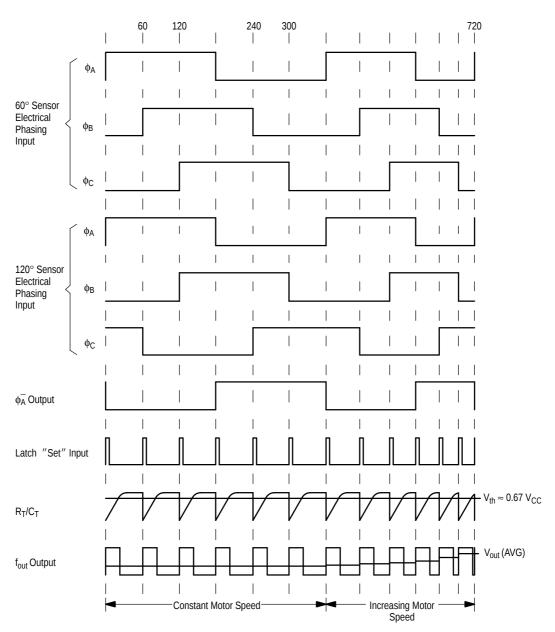
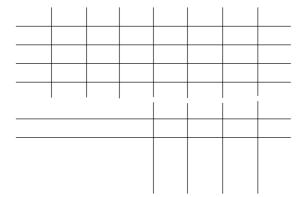


Figure 1. Typical Three Phase, Six Step Motor Application

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ORDERING INFORMATION

	Device	Operating Temperature Range	Package	Shipping [†]
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