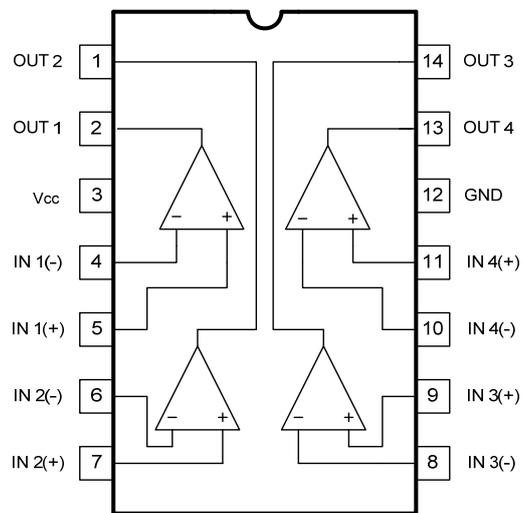
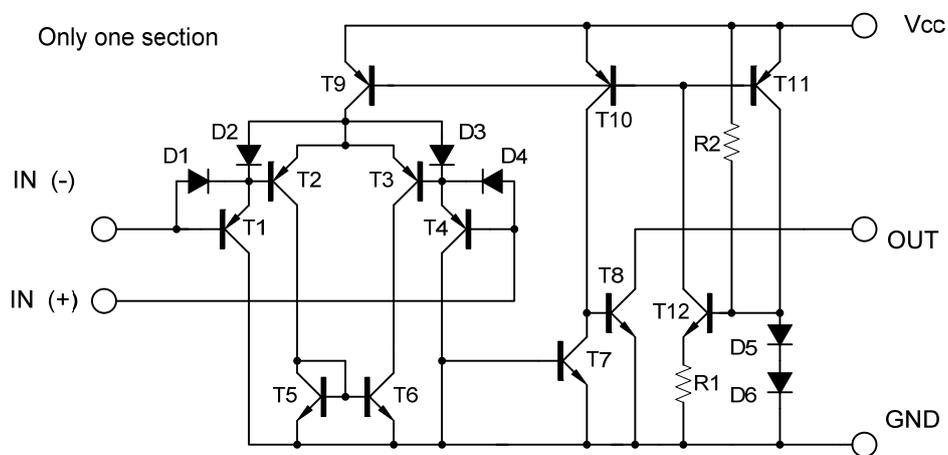


■ PIN CONFIGURATION



■ BLOCK DIAGRAM



■ ABSOLUTE MAXIMUM RATINGS (T_A=25°C, unless otherwise specified)

PARAMETER		SYMBOL	RATINGS	UNIT
Supply Voltage		V _{CC}	±18 or 36	V
Differential input Voltage		V _{I(DIFF)}	36	V
Input Voltage		V _{IN}	-0.3~36	V
Power Dissipation	DIP-14	P _D	760	mW
	SOP-14		560	mW
	TSSOP-14		440	mW
Junction Temperature		T _J	125	°C
Operating Temperature		T _{OPR}	-20 ~ +85	°C
Storage Temperature		T _{STG}	-40 ~ 150	°C

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL CHARACTERISTICS

(V_{CC}=5.0V, T_A=25°C, All voltage referenced to GND unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Input Offset Voltage	V _{I(OFF)}	V _{CM} =0~V _{CC} -1.5, V _{OUT(P)} =1.4V, R _S =0		±1.5	±3.0	mV
Input Offset Current	I _{I(OFF)}			±2.3	±50	nA
Input Bias Current	I _{BIAS}			57	250	nA
Input Common-Mode Voltage Range	V _{IN(R)}		0		V _{CC} -1.5	V
Supply Current	I _{CC}	R _L =∞		1.1	2.0	mA
Large Signal Voltage Gain	G _V	V _{CC} =15V, R _L >15kΩ	50	200		V/mV
Large Signal Response Time	t _{RES}	V _{IN} =TTL logic wing V _{REF} =1.4V, V _{RL} =5V, R _L =5.1kΩ		350		ns
Response Time	t _{RES}	V _{RL} =5V, R _L =5.1kΩ		1400		ns
Output Sink Current	I _{SINK}	V _{IN(-)} >1V, V _{IN(+)} =0V, V _{OUT(P)} <1.5V	6	18		mA
Output Saturation Voltage	V _{SAT}	V _{IN(-)} >1V, V _{IN(+)} =0V, I _{SINK} =4mA		140	400	mV
Output Leakage Current	I _{LEAK}	V _{IN(+)} =1V, V _{IN(-)} =0V		0.1		nA
			V _{OUT(P)} =5V V _{OUT(P)} =30V			1.0
Differential Input Voltage	V _{IN(DIFF)}				36	V

TYPICAL CHARACTERISTICS

Fig.1 Supply Current

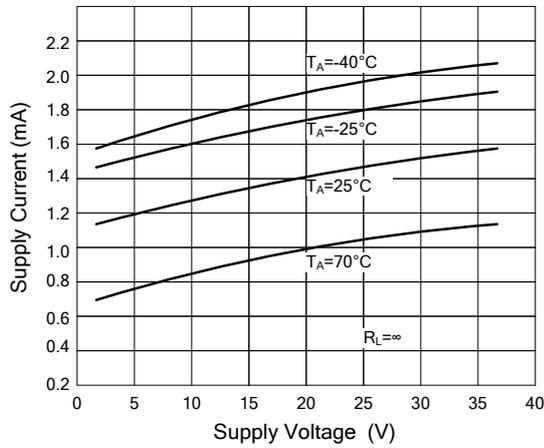


Fig.2 Input Current

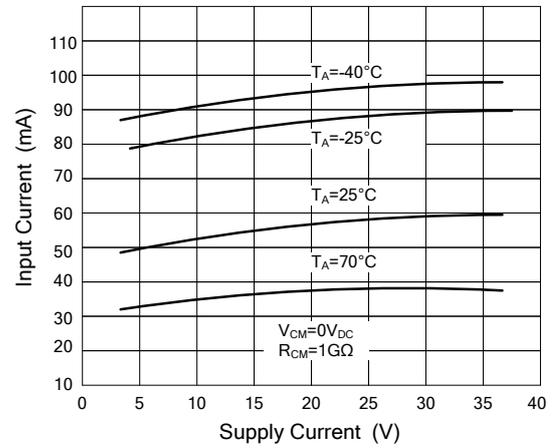


Fig.3 Output Saturation Voltage

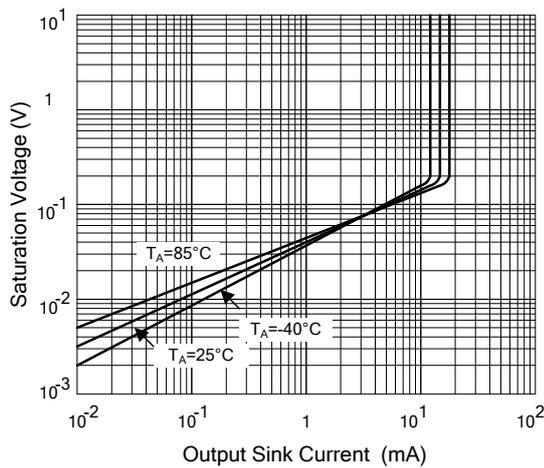


Fig.4 Reponse Time For Various Input Overdrive Negative Transition

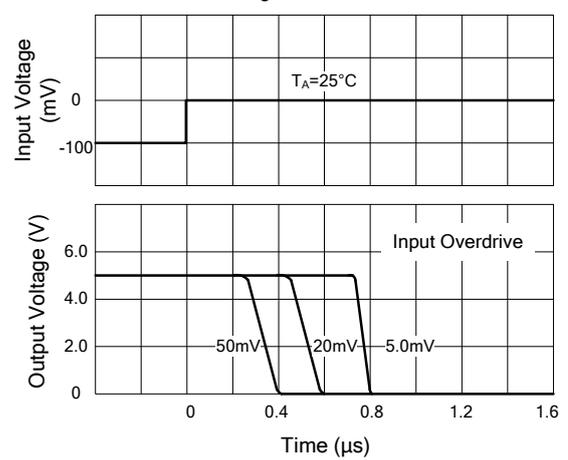
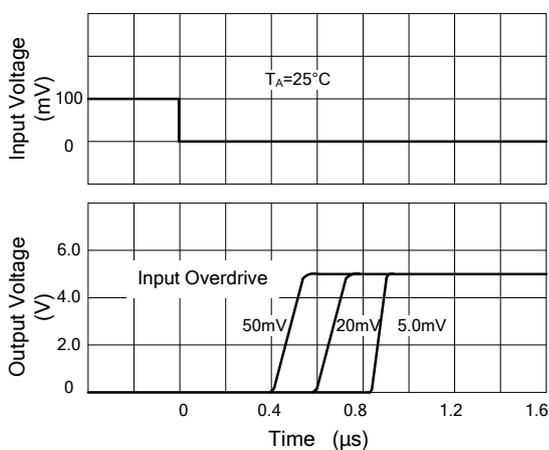


Fig.5 Reponse Time For Various Input Overdrive Positive Transition



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