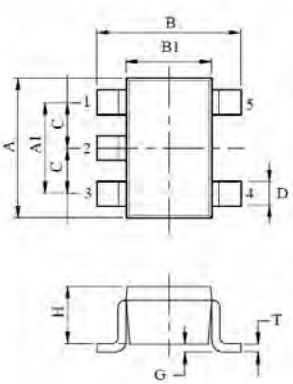
Single Comparator

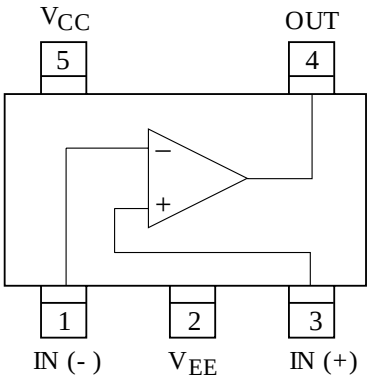
- Be Possible to Operate at the Wide Range Single or Two Supply Voltage. : 2~ 36V, ± 1~ 18V
- Low Supply Current. : Icc=0.4mA (Typ.)
- Low Input Offset Voltage : V_{IO}=2mV (Typ.).
- Wide Common Mode Input Voltage : 0V_{DC} to V_{CC}- 1.5V_{DC}.
- Output is Compatible with TTL, DTL, MOS and C- MOS.
- Output is Open Collector and Wired- OR Possible.



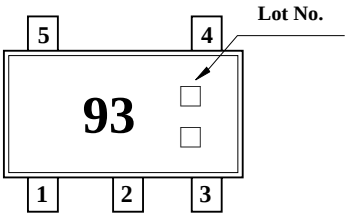
DIM	MILLIMETERS
A	2.92±0.1
A1	1.9±0.1
B	2.8±0.15
B1	1.6±0.1
C	0.95
D	0.4±0.1
G	0.1MAX
H	1.1±0.05
T	0.15±0.05

SOT-25

PIN CONNECTION (TOP VIEW)



Marking (Top View)

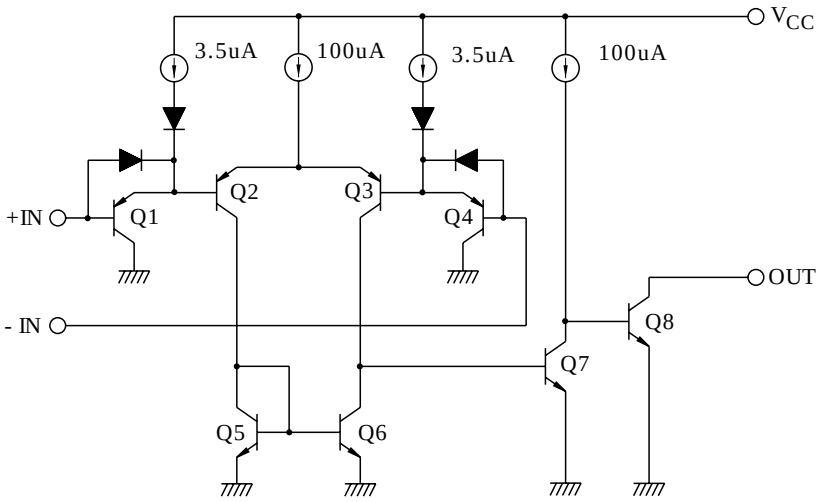


Maximum Rating (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Supply Voltage	V_{CC}	± 18, 36	V
Differential Input Voltage	DV_{IN}	± 18, 36	V
Common Mode Input Voltage	CMV_{IN}	- 0.3~ V_{CC}	V
Power Dissipation	P_D	200	mW
Operating Temperature	T_{opr}	- 40~ 85	℃
Storage Temperature	T_{stg}	- 55~ 125	℃

Electrical Characteristic : V_{CC}=5V, V_{EE}=GND, Ta=25℃

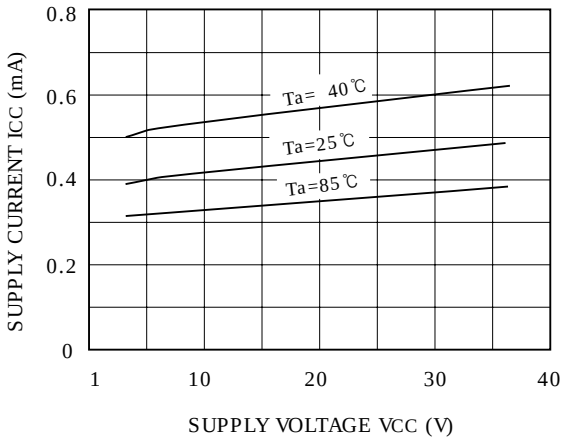
EQUIVALENT CIRCUIT



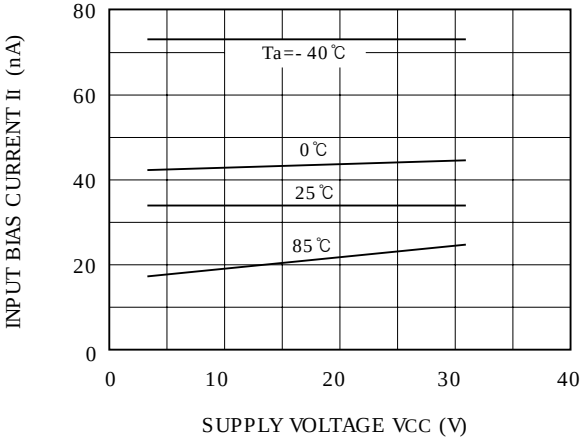
ELECTRICAL CHARACTERISTICS (V_{CC}=5V, V_{EE}=GND, Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Input Offset Voltage	V_{IO}	V_O=1.4V	-	2	5	mV
Input Offset Current	I_{IO}	-	-	5	50	nA
Input Bias Current	I_I	-	-	25	250	nA
Common Mode Input Voltage	CMV_{IN}	-	0	-	V_{CC}- 1.5	V
Voltage Gain	G_V	R_L=15kΩ	-	200	-	V/mV
Supply Current	I_{CC}	No load	-	0.4	0.8	mA
Sink Current	I_{sink}	+IN=0V, - IN=1V, V_{OL}=1.5V	6	16	-	mA
Output Voltage ("L" Level)	V_{OL}	+IN=0V, - IN=1V, I_{sink}=3mA	-	0.2	0.4	V
Output Leak Current	I_{LEAK}	+IN=1V, - IN=0V, V_O=5V	-	0.1	-	nA
Response Time	t_{rsp}	R_L=5.1kΩ, C_L=15pF	-	1.3	-	uS

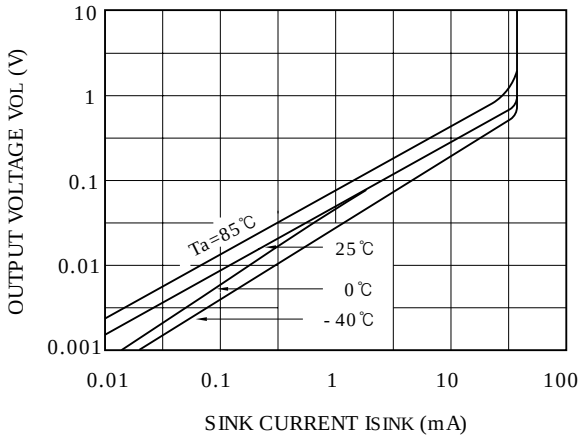
VCC - ICC



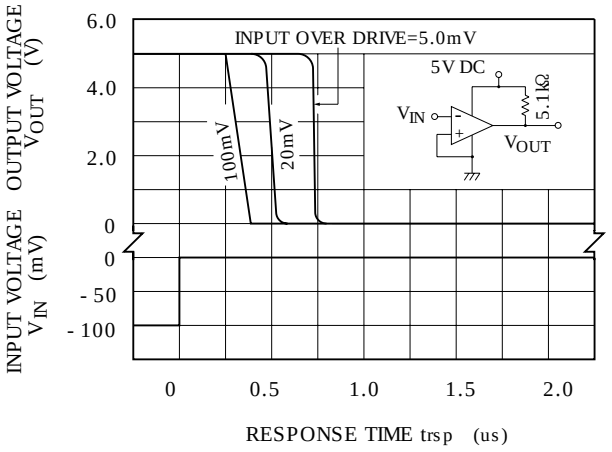
V_{CC} - I_I



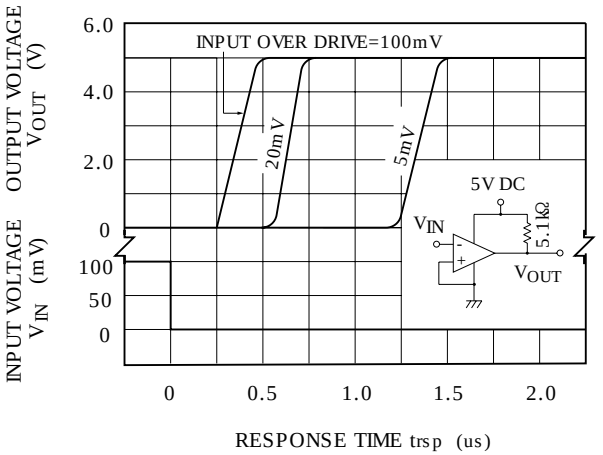
VOL - ISINK



VIN, VOUT- trsp



VIN , Vtrsp- OUT



PD - Ta

