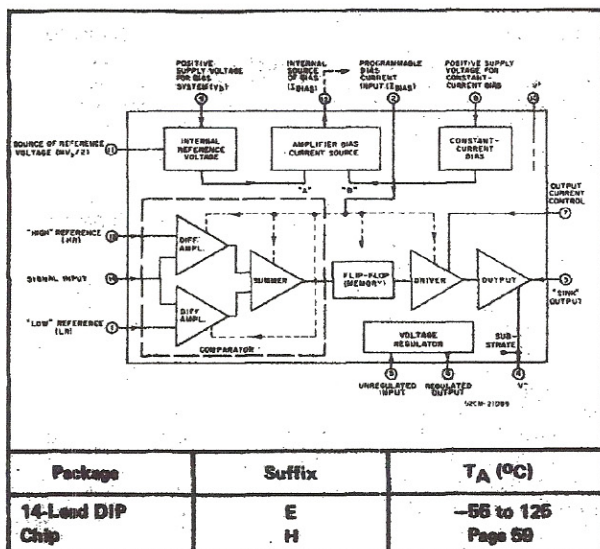




Power Control Circuits

Programmable Comparator....With Memory

CA3099



File No. 620*

Electrical Characteristics at T_A = 25°C

Input Offset Voltage:

"Low" Reference

"High" Reference

Min. Hysteresis Voltage

Output Saturation Voltage

Input Bias Current:

I_B (p-n-p)

I_B (n-p-n)

Switching Times:

Delay

Fall

Rise

Storage

$$V_{LR} = \text{Grd}, V_{HR} = 3V, I_{BIAS} = 100\mu A$$

$$V_{HR} = \text{Grd}, V_{LR} = -3V, I_{BIAS} = 100\mu A$$

$$V_{REG} = 6V, V^+ = 12V, I_{BIAS} = 100\mu A$$

$$V_I = 4V, V_{REG} = 6V, V^+ = 12V, I_B = 100\mu A$$

$$V_I = 8V, V_{REG} = 6V, V^+ = 12V, I_B = 100\mu A$$

$$V_I = 4V, V_{REG} = 6V, V^+ = 12V, I_B = 100\mu A$$

$$V_I = 8V, V_{REG} = 6V, V^+ = 12V, I_B = 100\mu A$$

$$V_I \left[\begin{array}{l} I_B, I_C = 100\mu A \\ V^+ = 5V \\ V_{REG} = 2.5V \end{array} \right]$$

2 mV max

5 mV max

10 mV max

1.2 V max

200 nA max

60 nA max

600 ns typ.

50 ns typ.

500 ns typ.

4.5 μs typ.

Thyristor/Transistor Array

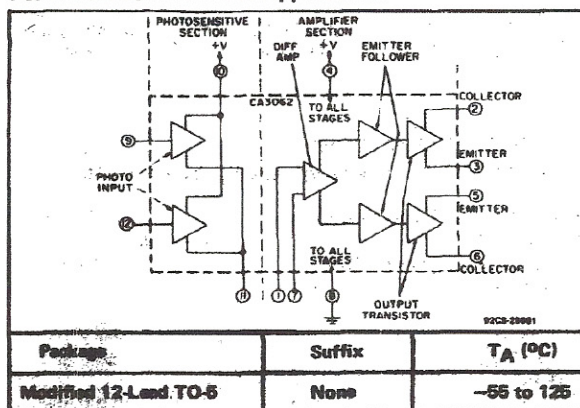
For data, see Arrays, Page 25

CA3097E,H

Photo Detector and Power Amplifier

CA3062

For Photoelectric Control Applications



File No. 421; ICAN-6538*

Applications and Features

Counters

Sorting

Level controls

Inspection

Intrusion alarms

Position sensor

Edge monitoring

Isolators

100 mA output-current capability:

can drive a relay or thyristor

directly

5 to 15 volt dc supply voltage

Compact — complete system in a

TO-5 style package

Compatible with RCA-40736R Infrared

Emitter

Maximum Ratings at T_A = 25°C

Supply Voltage 15 V

Output Current 100 mA

Output Voltage Swing. 0 to 15 V

Typical Characteristics at T_A = 25°C

Sensitivity:

Normal "OFF" Output 8 lm/ft²

Normal "ON" Output 10 lm/ft²

* Refer to indicated File No. for data bulletin and where given to indicated ICAN No. for application note.

Part Specification

CA3062

Transistor-Stage Output Photo IC - Photo Detector and Power Amp,Pk WL 725nm,tr 125us

Various

Photo Detectors

Output Circuit Type=TRANS. STA

Vsup Nom.(V)Power Supply Volt.=7.5

I_{sup} Max.(A)Power Supply Curr.=5.5m

Status=Discontinued

Package=Can-8.1