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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



DATA SHEET

Part No.	AN34060A
Package Code No.	HZIP007-P-0750A

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AN34060A

Multi voltage regulator IC

■ Features

- 3 outputs voltage regulator
- Peak current protection circuit
- Thermal protection circuit

■ Applications

- For power supply

■ Package

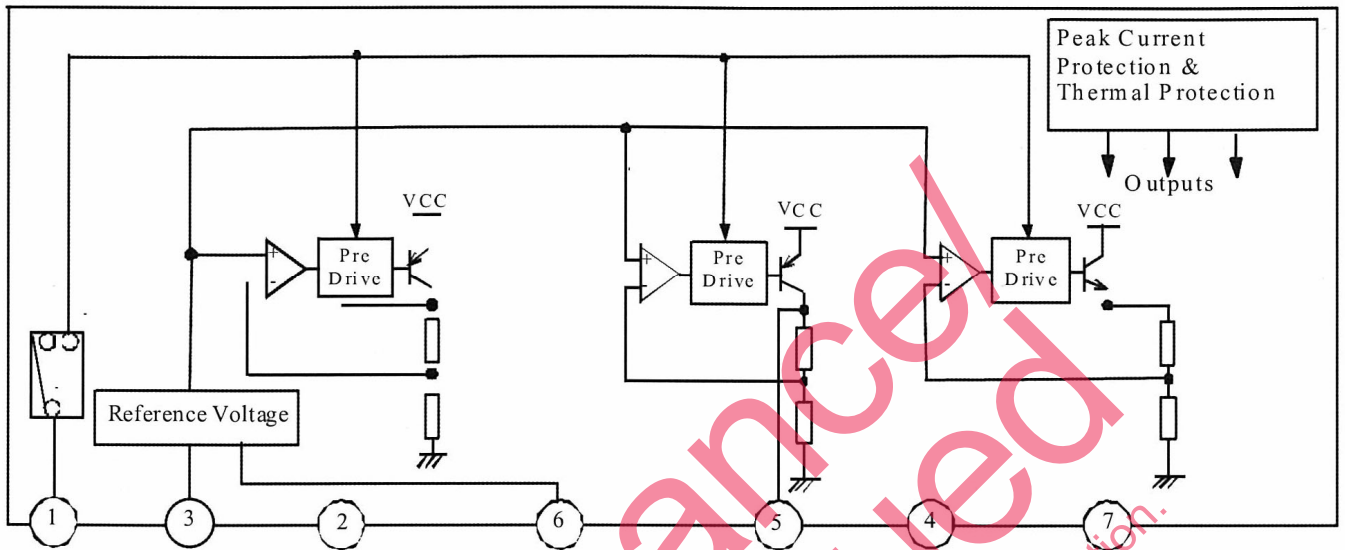
- TO-2207 pins plastic package (power type with fin)

■ Type

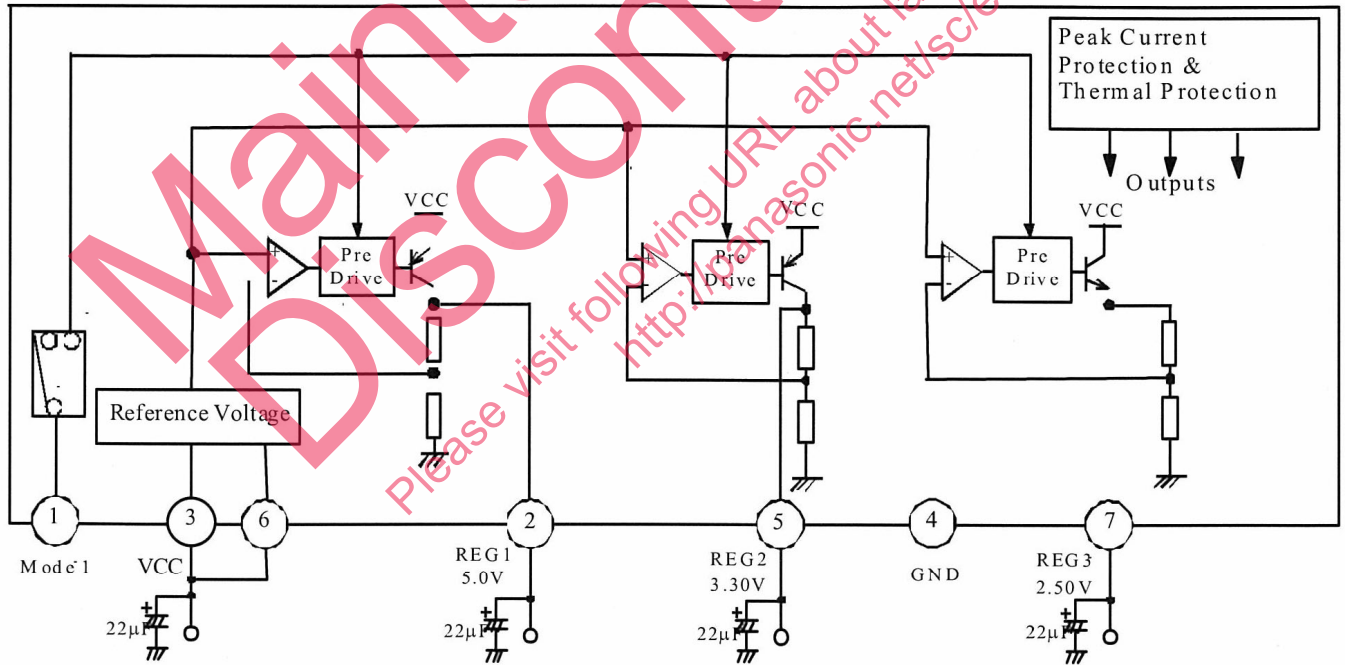
- Silicon monolithic bipolar IC

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■ Block Diagram



■ Application Circuit Example



Mode 1 'OFF'	GND
Mode 1 'ON'	3V

■ Pin Descriptions

Pin No.	Pin name	Description
1	MODE1	When MODE1 pin is 5 V, REG1, REG2, REG3 output is "H".
2	REG1	When MODE1 pin is "H". REG1 output is 5.0 V ($I_{O1(\text{peak})} = 500 \text{ mA min.}$).
3	VCC	Connected to power supply.
4	GND	Connected to the IC substrate.
5	REG2	When MODE1 pin is "H". REG2 output is 3.3 V ($I_{O2(\text{peak})} = 800 \text{ mA min.}$).
6	VCC	Connected to power supply.
7	REG3	When MODE1 pin is "H". REG3 output is 2.5 V ($I_{O3(\text{peak})} = 800 \text{ mA min.}$).

■ Absolute Maximum Ratings

A No.	Parameter	Symbol	Rating	Unit	Note
1	Storage temperature	T_{stg}	-55 to +150	°C	*1
2	Operating ambient temperature	T_{opr}	-30 to +85	°C	*1
3	Operating ambient pressure	P_{opr}	$1.013 \times 10^5 \pm 0.61 \times 10^5$	Pa	
4	Operating constant acceleration	G_{opr}	9 810	m/S ²	
5	Operating shock	S_{opr}	4 900	m/S ²	
6	Power supply voltage	V_{CC}	15.0	V	
7	Power supply current	I_{CC}	2	A	
8	Power dissipation	P_{D}	13	W	*2

Note) *1: The temperature of all items shall be $T_a = 25^\circ\text{C}$ except storage temperature and operating ambient temperature.

*2: $T_a = 85^\circ\text{C}$ infinite heat sink.

■ Operating Supply Voltage Range

Parameter	Symbol	Range	Unit	Note
Operating supply voltage range	V_{CC}	6.0 to 14.0	V	

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