

# DATA SHEET

Part No.	AN34040A
Package Code No.	HZIP007-P-0750A

Maintenance/Discontinued includes following lifecycle stage.  
planned maintenance type  
maintenance type  
planned discontinued type  
discontinued type  
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# AN34040A

## Multi voltage regulator IC

### ■ Features

- 3 outputs voltage regulator
- Peak current protection circuit
- ASO protection circuit
- Thermal protection circuit
- 2 power supply inputs

### ■ Applications

- For power supply

### ■ Package

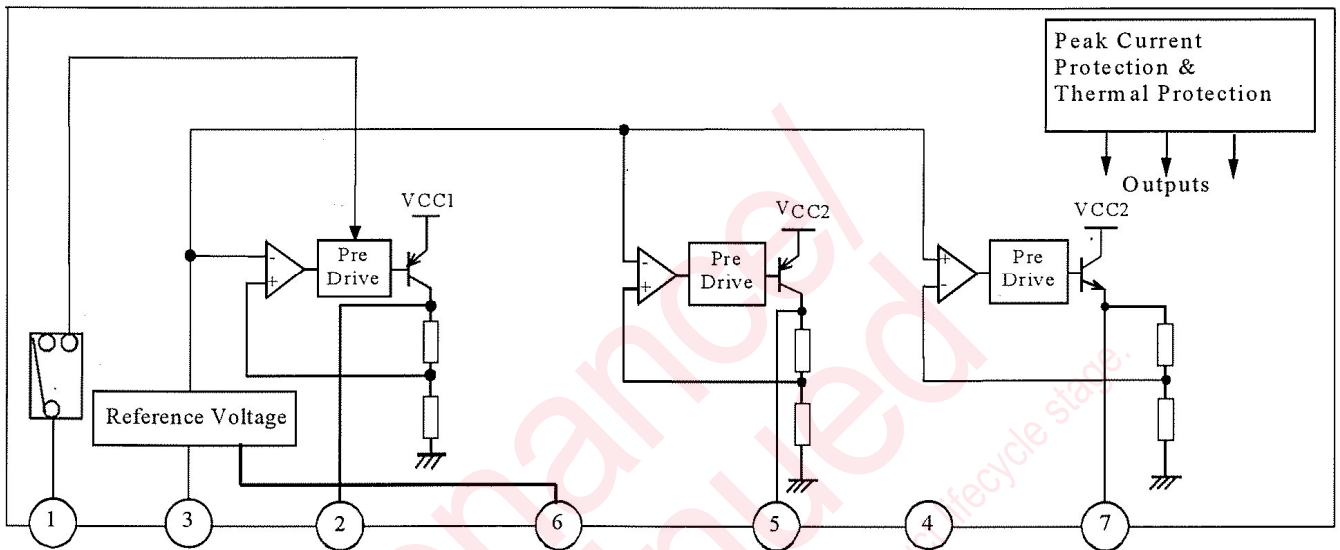
- TO-2207 pins plastic package (power type with fin)

### ■ Type

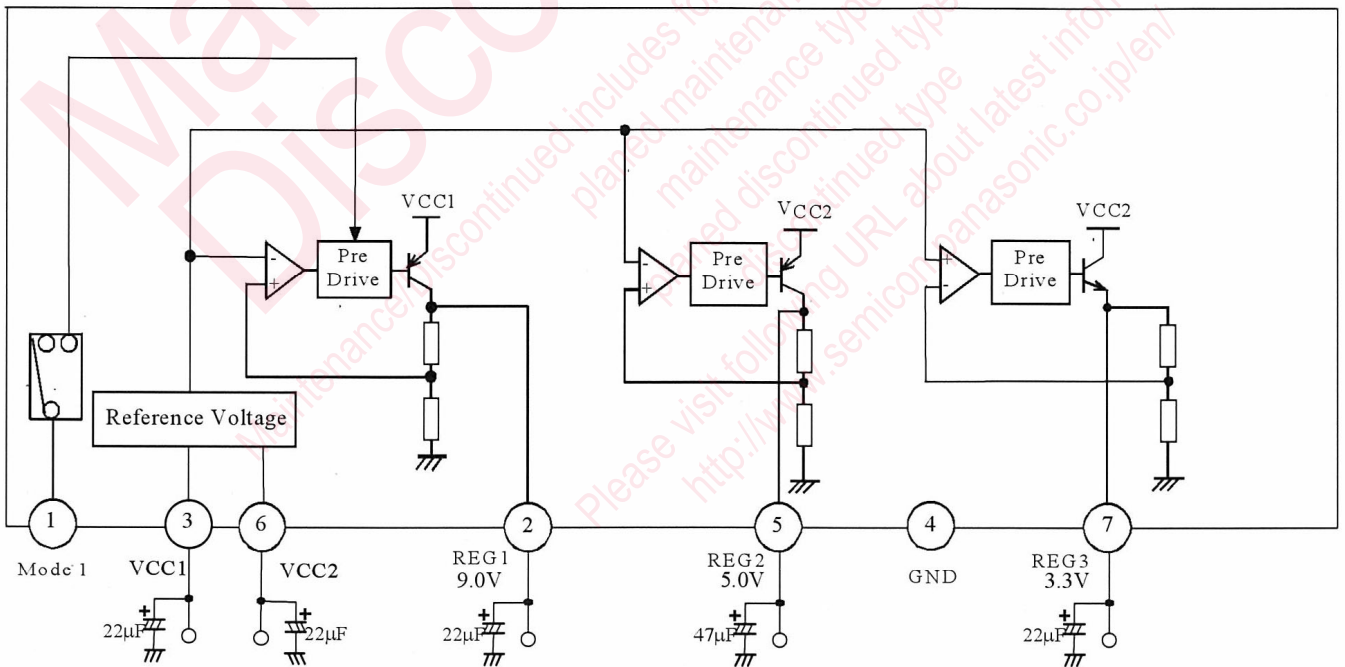
- Silicon monolithic bipolar IC

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■ Block Diagram



■ Application Circuit Example



Mode 1 'OFF'	GND
Mode 1 'ON'	3.3V

### ■ Pin Descriptions

Pin No.	Pin name	Description
1	MODE1	Switching ON/OFF of REG1
2	REG1	When MODE1 pin is "H". REG1 output is 9.0 V.
3	VCC1	Connected to power supply.
4	GND	Connected to the IC substrate.
5	REG2	When VCC2 is ON. REG2 output is 5.0 V.
6	VCC2	Connected to power supply.
7	REG3	When VCC2 is ON. REG3 output is 3.3 V.

### ■ 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 <sup>2</sup>	
5	Operating shock	$S_{opr}$	4 900	m/S <sup>2</sup>	
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	$V_{CC1}$	10.0 to 14.0	V	
	$V_{CC2}$	5.5 to 8.5		

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