# DATA SHEET

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

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**Panasonic** 

# 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

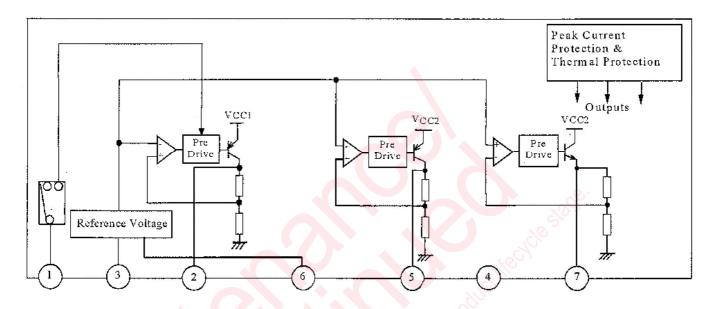
• TO-2207 pins plastic package (power type with fin)

#### ■ Type

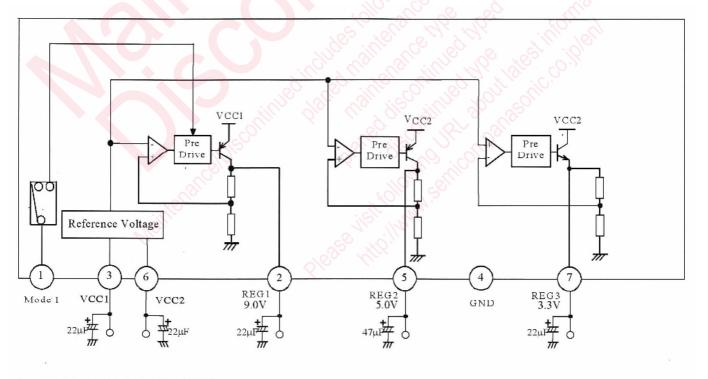
• Silicon monolithic bipolar IC

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#### ■ Block Diagram



#### ■ Application Circuit Example



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

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#### ■ 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 <sub>opr</sub>	$1.013  10^5 \pm 0.61  10^5$	Pa	
4	Operating constant acceleration	$G_{opr}$	9 810	m/S <sup>2</sup>	
5	Operating shock	Sopr	4 900	m/S <sup>2</sup>	
6	Power supply voltage	V <sub>CC</sub>	15.0	o N V	
7	Power supply current	$I_{CC}$		A	
8	Power dissipation	$P_{\rm D}$	13 10 15	W	*2

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

#### ■ Operating Supply Voltage Range

Parameter	Symbol	Range	Unit	Note
Operating supply voltage range	V <sub>CC1</sub>	10.0 to 14.0	V	
	V <sub>CC2</sub>	5.5 to 8.5		

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<sup>\*2:</sup>  $T_a = 85^{\circ}$ C infinite heat sink.

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