DATA SHEET

Part No.	AN17808A
Package Code No.	HSIP012-P-0000E

Panasonic

Contents

■ Features	3
Applications	
■ Package	3
■ Туре	3
Block Diagram	4
Application Circuit	5
■ Pin Descriptions	7
■ Absolute Maximum Ratings	7
■ Operating Supply Voltage Range	7

Audio power amplifier IC

Features

• Dual 5 W audio power amplifier, with muting circuit and incorporating protection circuits.

Applications

• For low frequency amplifier

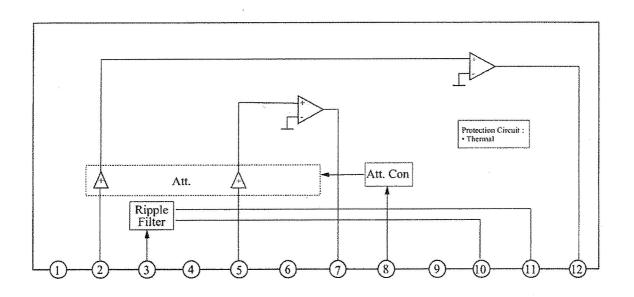
Package

• SIL-12 pin plastic package (power-type with fin)

■ Туре

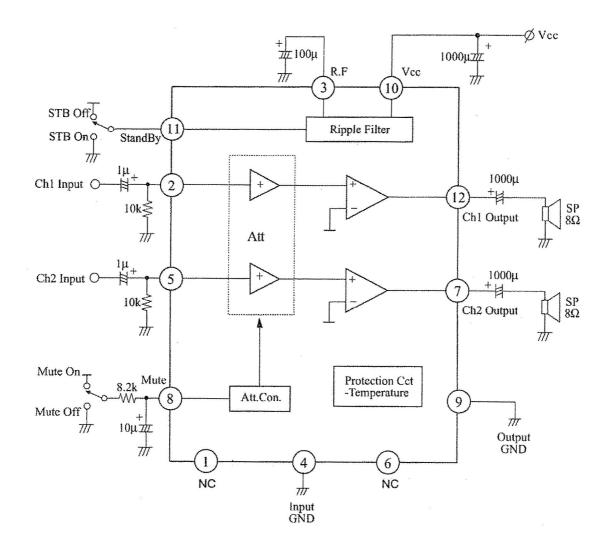
• Silicon monolithic bipolar IC

Block Diagram



Application Circuit

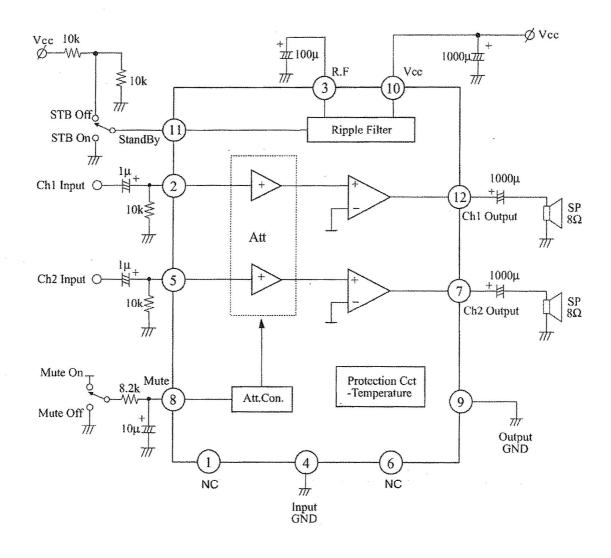
Standby Pin is controlled by microcontroller.



STB 'OFF'	5V
STB 'ON'	0V
Mute 'OFF'	0V
Mute 'ON'	5V

■ Application Circuit (continued)

Standby Pin is controlled by Vcc.



Mute 'OFF'	0V
Mute 'ON'	5V

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Pin Descriptions

Pin No.	Pin name	Pin No.	Pin name
1	N.C.	7	Channel 2 output
2	Channel 1 input	8	Mute
3	Ripple filter	9	Output GND
4	Input GND	10	V _{CC}
5	Channel 2 input	11	Standby
6	N.C.	12	Channel 1 output

Absolute Maximum Ratings

A No.	Parameter	Symbol	Rating	Unit	Notes
1	Power supply voltage	V _{CC}	26.0	V	
2	Power supply current	I _{CC}	4.0	А	
3	Power dissipation	P _D	37.5	W	*2
4	Operating ambient temperature	T _{opr}	-25 to +75	°C	*1
5	Storage temperature	T _{stg}	-55 to +150	°C	*1
6	Operating ambient atmospheric pressure	P _{opr}	$1.013 \times 10^5 \pm 0.61 \times 10^5$	Ра	
7	Operating constant gravity	G _{opr}	9 810	m/s ²	
8	Operating shock	S _{opr}	4 900	m/s ²	
9	Pin voltage (2-pin)	V2	- 0.3 to +3.0	V	*3
10	Pin voltage (5-pin)	V5	- 0.3 to +3.0	V	*3

Notes) *1: $T_a = 25^{\circ}C$ except storage temperature and operating ambient temperature.

*2: $T_a = 75^{\circ}C$ with infinite heatsink

*3: Do not apply a current or voltage from the external to the terminals not described above. For circuit current, '+' denotes the current flowing into IC and, '-' denotes the current flowing out of IC.

Operating Supply Voltage Range

Parameter	Symbol	Rating	Unit	Notes
Operating supply voltage range	V _{CC}	10.0 to 24.0	V	

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