

DATA SHEET

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AN17803A

Audio power amplifier IC

■ Features

- Dual 10 W + single 18 W audio power amplifier
- Built-in muting circuit
- Incorporating protection circuit

■ Applications

- For low frequency amplifier

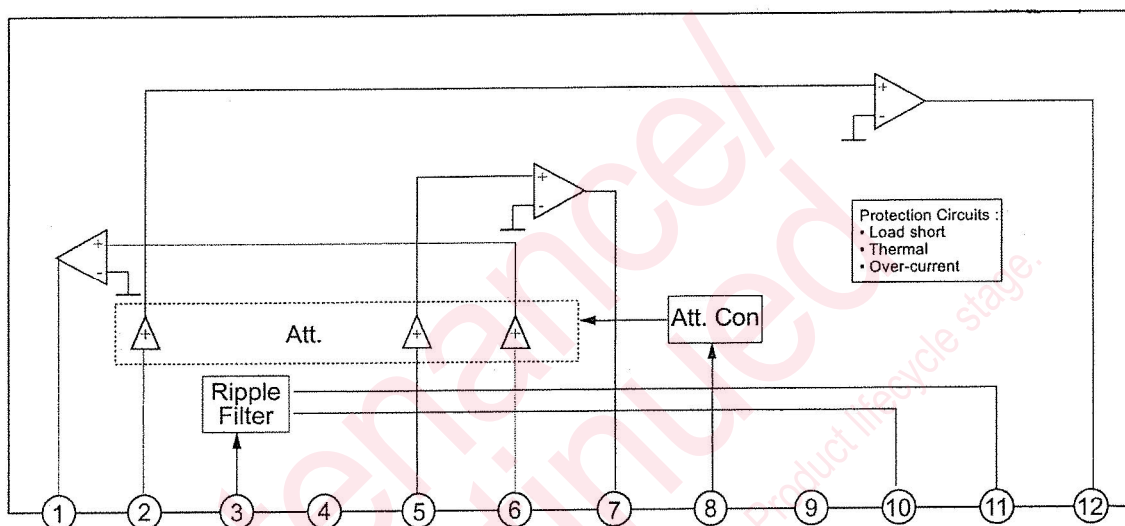
■ Package

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

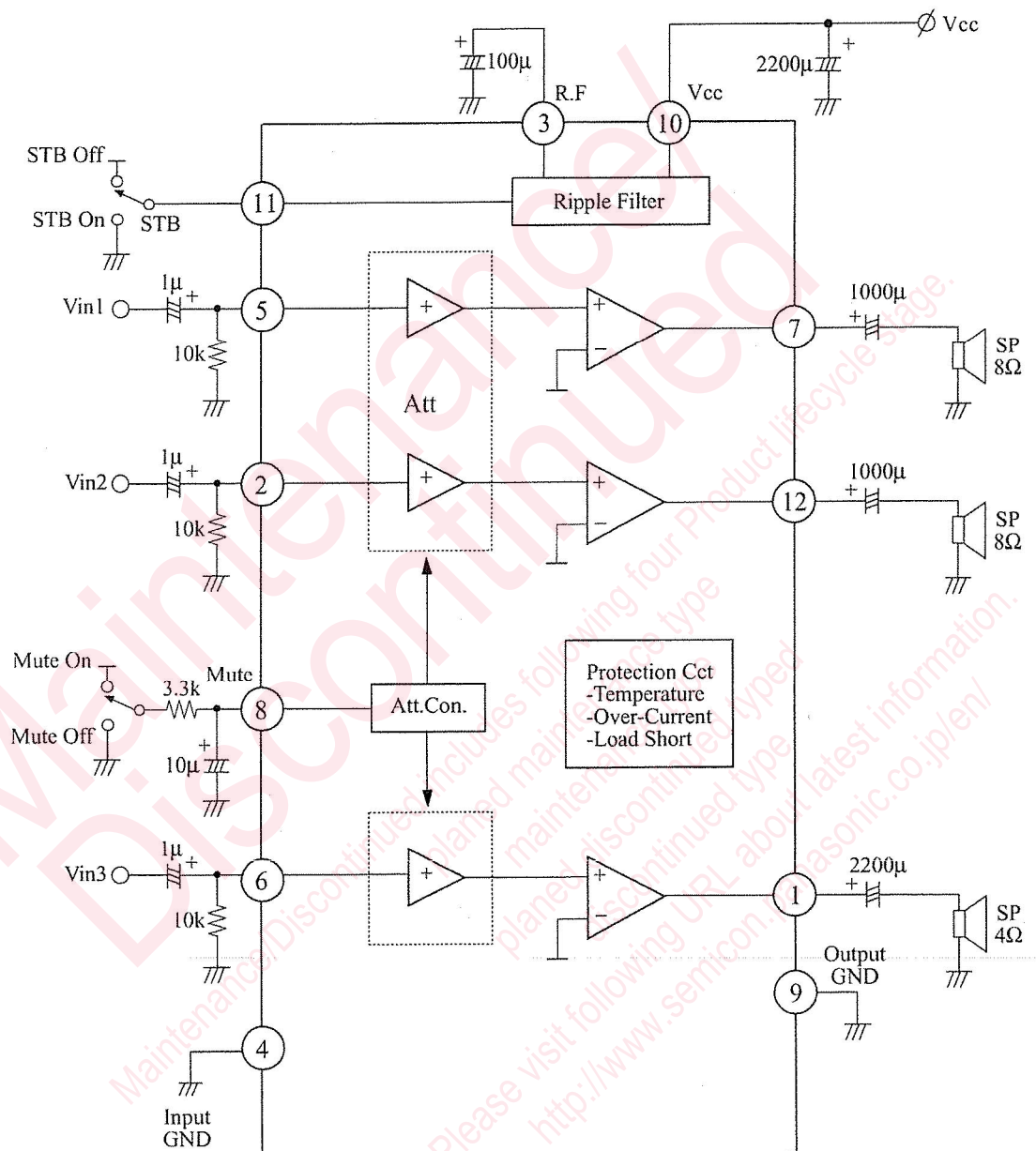
■ Type

- Silicon monolithic bipolar IC

■ Block Diagram



■ Application Circuit



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

■ Pin Descriptions

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

■ Absolute Maximum Ratings

A No.	Parameter	Symbol	Rating	Unit	Notes
1	Power supply voltage	V _{CC}	35.0	V	
2	Power supply current	I _{CC}	8.0	A	
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}	$1.013 \times 10^5 \pm 0.61 \times 10^5$	Pa	
7	Operating constant gravity	G _{opr}	9 810	m/s ²	
8	Operating shock	S _{opr}	4 900	m/s ²	

Notes) *1: T_a = 25°C except storage temperature and operating ambient temperature.

*2: T_a = 75°C with infinite heatsink.

■ Operating Supply Voltage Range

Parameter	Symbol	Rating	Unit	Notes
Operating supply voltage range	V _{CC}	10.0 to 32.0	V	

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