

DATA SHEET

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AN17811A

Audio power amplifier IC

■ Features

- Single channel OTL 1.0 W audio power amplifier with mute and standby control.

■ Applications

- For low frequency amplifier

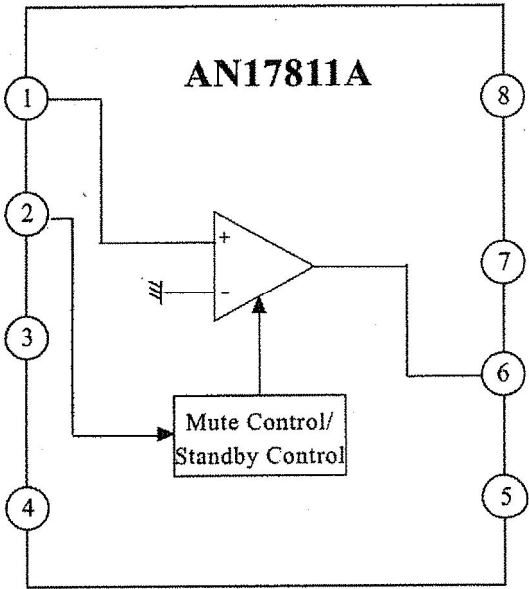
■ Package

- DIL-8 pin plastic package

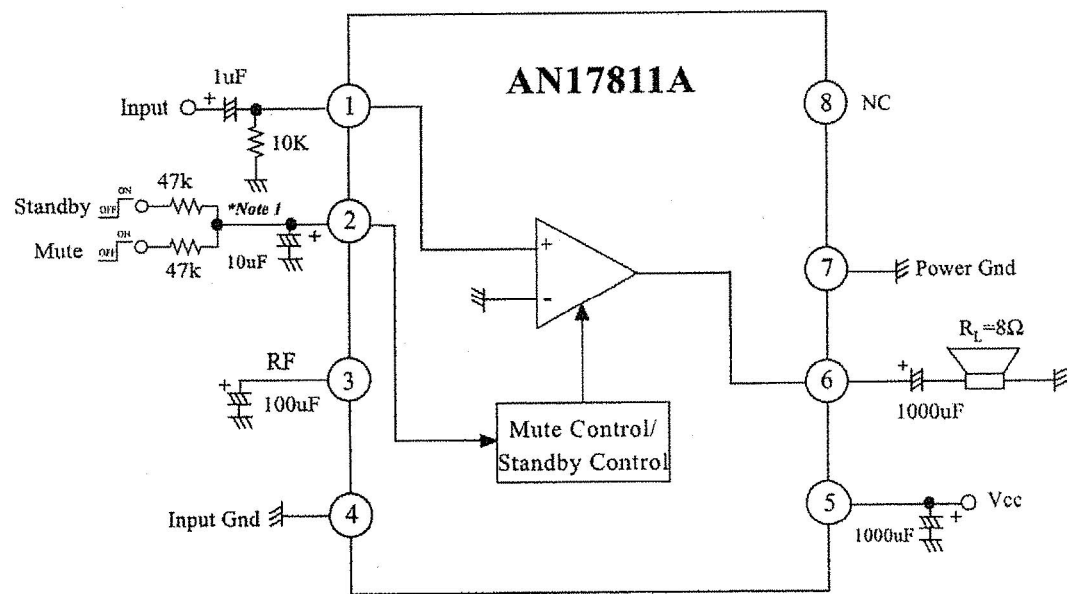
■ Type

- Silicon monolithic bipolar IC

■ Block Diagram



■ Application Circuit



*Note1

Standby	Mute	IC	Sound
0V	0V	OFF	OFF
3.3V	0V	ON	OFF
3.3V	3.3V	ON	ON

■ Pin Descriptions

Pin No.	Pin name	Pin No.	Pin name
1	Input	5	V _{CC}
2	Standby / Mute	6	Output
3	RF	7	Power GND
4	Input GND	8	N.C.

Notes) Do not apply voltage or current to N.C. pin from outside.

■ Absolute Maximum Ratings

A No.	Parameter	Symbol	Rating	Unit	Notes
1	Power supply voltage	V _{CC}	14.0	V	*2
2	Power supply current	I _{CC}	1.5	A	
3	Power dissipation	P _D	422	mW	*3
4	Operating ambient temperature	T _{opr}	−25 to +70	°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: No signal input.

*3: T_a = 75°C with infinite heatsink

■ Operating Supply Voltage Range

Parameter	Symbol	Rating	Unit	Notes
Operating supply voltage range	V _{CC}	7 to 13.5	V	

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