DATA SHEET

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AN17850A

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AN17850A

70 W (6 $\Omega) \times$ 1-channel BTL power amplifier built-in standby and muting features incorporating various protection circuits

Applications

• ICs for audio

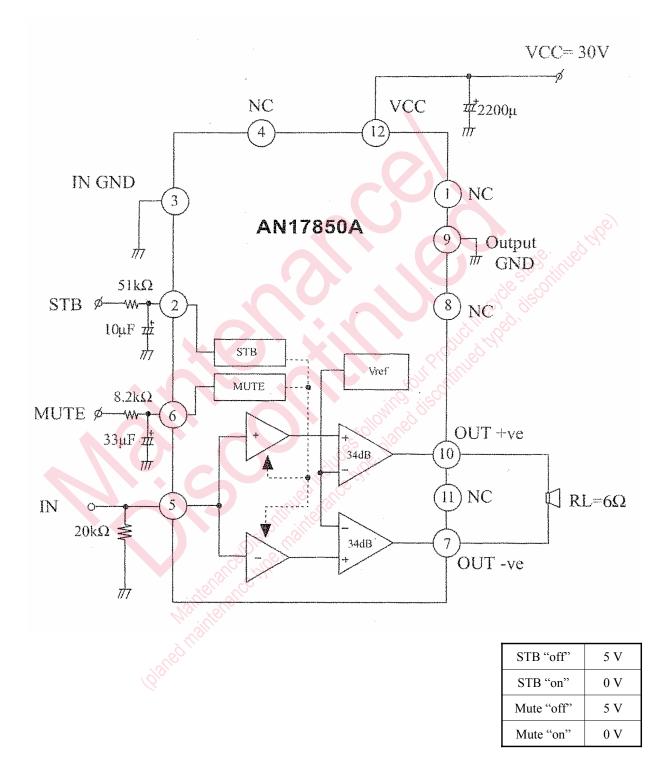
Package

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

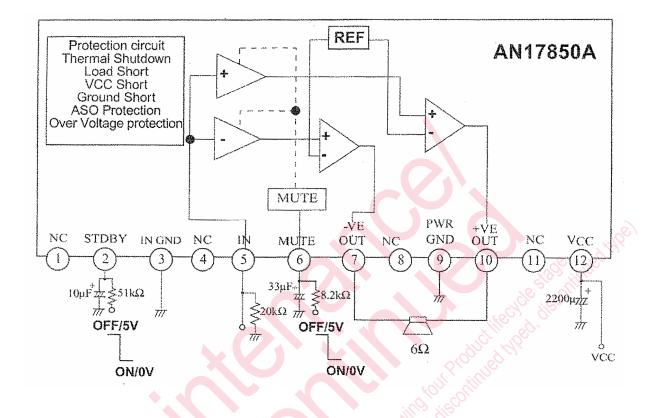
■ Туре

• Silicon monolithic bipolar IC

Application Circuit Example



Block Diagram



Pin Descriptions

Pin No.	Description	Pin No.	Description
1	N.C.	7	-Ve phase output
2	Standby	8	N.C.
3	In GND	9	Power GND
4	N.C.	10	+Ve phase output
5	In	11	N.C.
6	Mute	12	V _{CC}

Absolute Maximum Ratings

A No.	Parameter	Symbol	Rating	Unit	Note
1	Supply voltage	V _{CC}	33	V	*1
2	Supply current	I _{CC}	8.0	А	
3	Power dissipation	P _D	37.5	W	*2
4	Storage temperature	T _{stg}	-55 to +150	°C	
5	Operating ambient temperature	T _{opr}	-25 to +75	°C	
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	

Note) \quad *1: Without input signal, V_{CC} is up to 33 V.

*2: Ta = 75° C. For the independent IC without a heat sink.

Operating Supply Voltage Range

Parameter	Symbol	Range	Unit	Note
Supply voltage range	V _{cc}	10 to 32	V	

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