

DATA SHEET

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AN17823A

BTL 4.0 W $\times$ 1-channel power amplifier with standby function and volume function

■ Applications

- ICs for low frequency amplifier

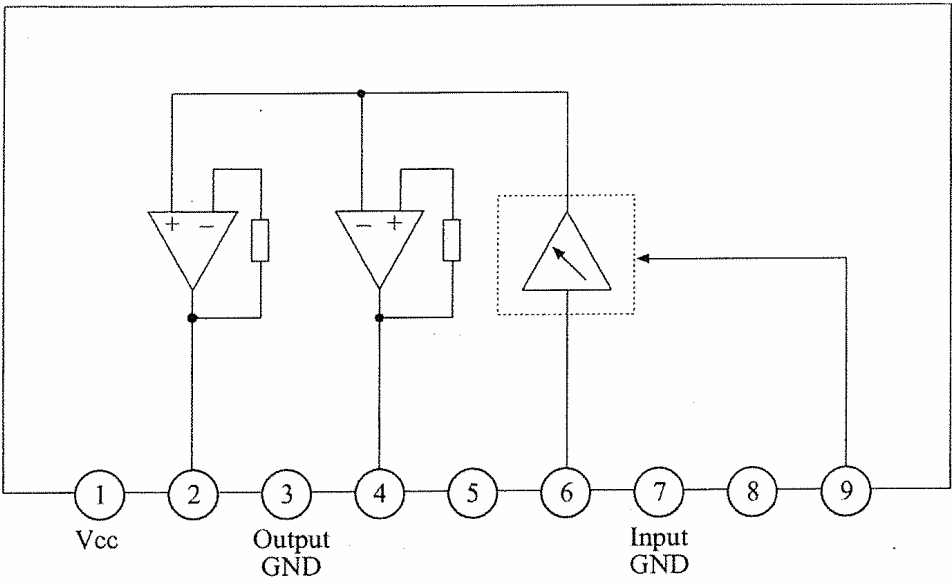
■ Package

- SIL 9-pin plastic package (power type with fin)

■ Type

- Silicon monolithic bipolar IC

■ Block Diagram



■ Pin Descriptions

Pin No.	Description
1	V _{CC}
2	Channel output (+)
3	GND (output)
4	Channel output (-)
5	Standby
6	Channel input
7	GND (input)
8	N.C.
9	Volume

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

■ Absolute Maximum Ratings

A No.	Parameter	Symbol	Rating	Unit	Note
1	Supply voltage	V_{CC}	14.4	V	*1
2	Supply current	I_{CC}	1.0	A	
3	Power dissipation	P_D	1.22	W	*2
4	Storage temperature	T_{stg}	−55 to +150	°C	*3
5	Operating ambient temperature	T_{opr}	−25 to +70	°C	*3
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	

Note) *1: No signal input.

*2: $T_a = 70^\circ\text{C}$.

*3: Expect for the storage temperature and operating ambient temperature, all ratings are for $T_a = 25^\circ\text{C}$.

■ Operating Supply Voltage Range

Parameter	Symbol	Range	Unit	Note
Supply voltage range	V_{CC}	3.5 to 13.5	V	

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