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DATA SHEET

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Panasonic

AN17823A

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

■ Applications

• ICs for low frequency amplifier

Package

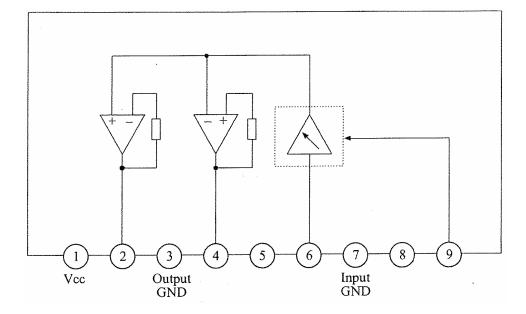
• SIL 9-pin plastic package (power type with fin)

■ Type

• Silicon monolithic bipolar IC

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■ 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.

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■ 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
aSheet4 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.

■ Operating Supply Voltage Range

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

^{*2:} Ta = 70°C.

^{*3:} Expect for the storage temperature and operating ambient temperature, all ratings are for Ta = 25°C.

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