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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







DATA SHEET

Part No.	AN17823A
Package Code No.	HSIP009-P-0000E

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Panasonic

AN17823A

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

■ Applications

• ICs for low frequency amplifier

■ Package

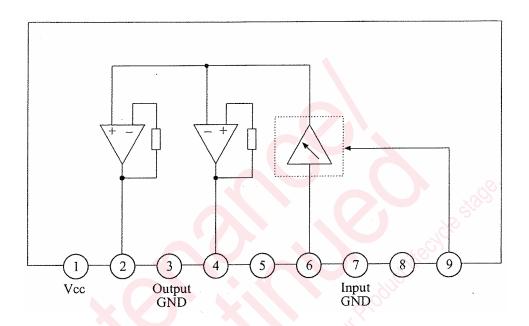
• SIL 9-pin plastic package (power type with fin)

■ Type

• Silicon monolithic bipolar IC

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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	$T_{\rm stg}$	-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	Sopr	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	

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^{*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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