# DATA SHEET

Part No.

AN17823A

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AN17823A

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### Contents

■ Applications	3
■ Package	3
■ Type	3
■ Block Diagram	4
■ Pin Descriptions	4
■ Absolute Maximum Ratings	
■ Operating Supply Voltage Range	5



## AN17823A

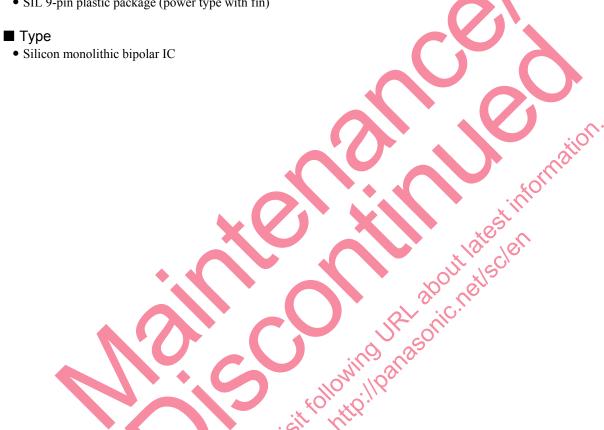
BTL 4.0 W  $\times$  1-channel power amplifier with standby function and volume function

#### ■ Applications

• ICs for low frequency amplifier

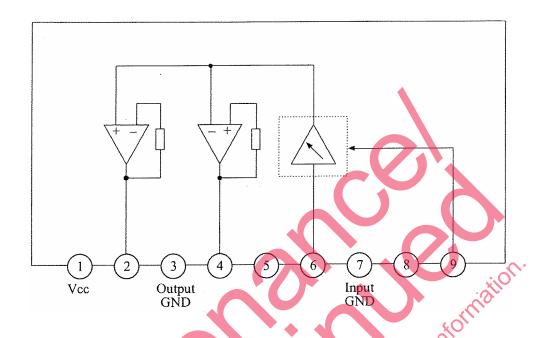
#### ■ Package

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



SDB00137AEB 3

#### ■ Block Diagram



### ■ Pin Descriptions

Pin No.	Description
1	V <sub>CC</sub>
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.

SDB00137AEB 4

**Panasonic** 

#### ■ Absolute Maximum Ratings

A No.	Parameter	Symbol	Rating	Unit	Note
1	Supply voltage	V <sub>CC</sub>	14.4	V	*1
2	Supply current	I <sub>CC</sub>	1.0	A	
3	Power dissipation	$P_{\mathrm{D}}$	1.22	W	*2
4	Storage temperature	T <sub>stg</sub>	−55 to +150	°C	*3
5	Operating ambient temperature	T <sub>opr</sub>	-25 to +70	°C	*3
6	Operating ambient atmospheric pressure	P <sub>opr</sub>	$1.013 \times 10^5 \pm 0.61 \times 10^5$	Pa	
7	Operating constant gravity	G <sub>opr</sub>	9 810	m/S <sup>2</sup>	
8	Operating shock	S <sub>opr</sub>	4 900	m/S <sup>2</sup>	

Note) \*1: No signal input.

\*2: Ta = 70°C.

### ■ Operating Supply Voltage Range

Parameter	Symbol	Range	Unit	Note
Supply voltage range	$V_{\rm cc}$	3.5 to 13.5	V	
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SDB00137AEB 5

<sup>\*3:</sup> Expect for the storage temperature and operating ambient temperature, all ratings are for Ta = 25°C

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