

# DATA SHEET

Part No.	AN17812A
Package Code No.	HDIP016-P-0300A

Maintenance/Discontinued includes following lifecycle stage.  
planned maintenance type  
maintenance type  
planned discontinued type  
discontinued type  
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Maintenance/Discontinued includes four Product lifecycle stage.  
Discontinued  
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# AN17812A

Dual channel OTL 1.0 W audio power amplifier with volume, mute and standby control

■ Applications

- ICs for low frequency amplifier

■ Package

- DIL 16-pin plastic package (with fin)

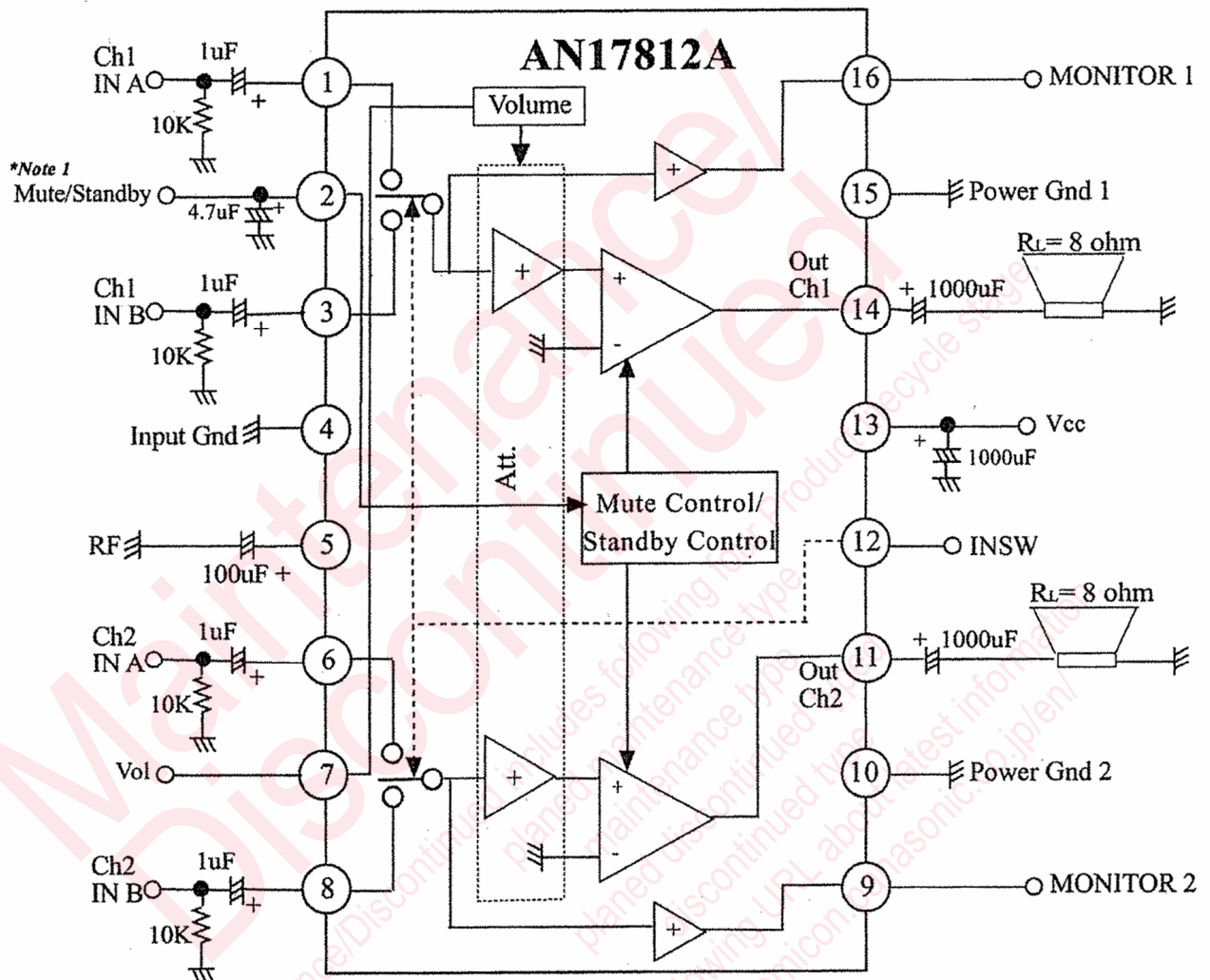
■ Type

- Silicon monolithic bipolar IC

Maintenance/Discontinued

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■ Application Circuit Example



Standby	Mute	IC	Sound
0 V	0 V	Off	Off
3.3 V	0 V	On	Off
4 V	4 V	On	On

### ■ Pin Descriptions

Pin No.	Description	Pin No.	Description
1	Channel 1 input A	9	Monitor 2
2	Mute / standby	10	Power GND 2
3	Channel 1 input B	11	Channel 2 output
4	Input GND	12	Input switch
5	Ripple filter	13	V <sub>CC</sub>
6	Channel 2 input A	14	Channel 1 output
7	Volume	15	Power GND 1
8	Channel 2 input B	16	Monitor 1

### ■ Absolute Maximum Ratings

A No.	Parameter	Symbol	Rating	Unit	Note
1	Supply voltage	V <sub>CC</sub>	15.0	V	*1
2	Supply current	I <sub>CC</sub>	1.5	A	
3	Power dissipation	P <sub>D</sub>	2	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 = 75°C. For the independent IC without a heat sink.

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

### ■ Operating Supply Voltage Range

Parameter	Symbol	Range	Unit	Note
Supply voltage range	V <sub>CC</sub>	7.5 to 13.5	V	

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