

## DESCRIPTION

The PT3371 is a Class-AB audio power amplifier. When operating with a 5V supply voltage, it is capable of driving a 4Ω speaker load at a continuous average output of 3W with 10% THD+N. The external application circuit is simple, integrated internal feedback resistor, do without LC low-pass filter. Built-in over-temperature protection, package size is not occupied PCB space. Meanwhile, the PT3371 offers built-in and shut-down control circuitry for optimal pop-free performance.

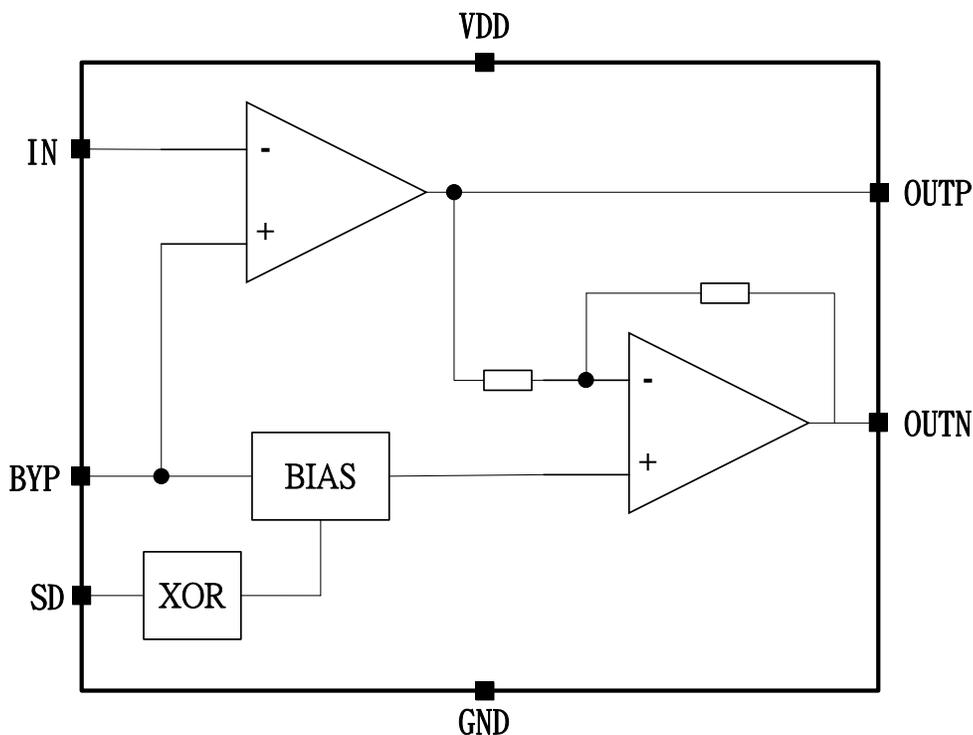
## APPLICATIONS

- Portable speaker
- LCD TV or Monitor
- Laptop or MID
- Portable DVD

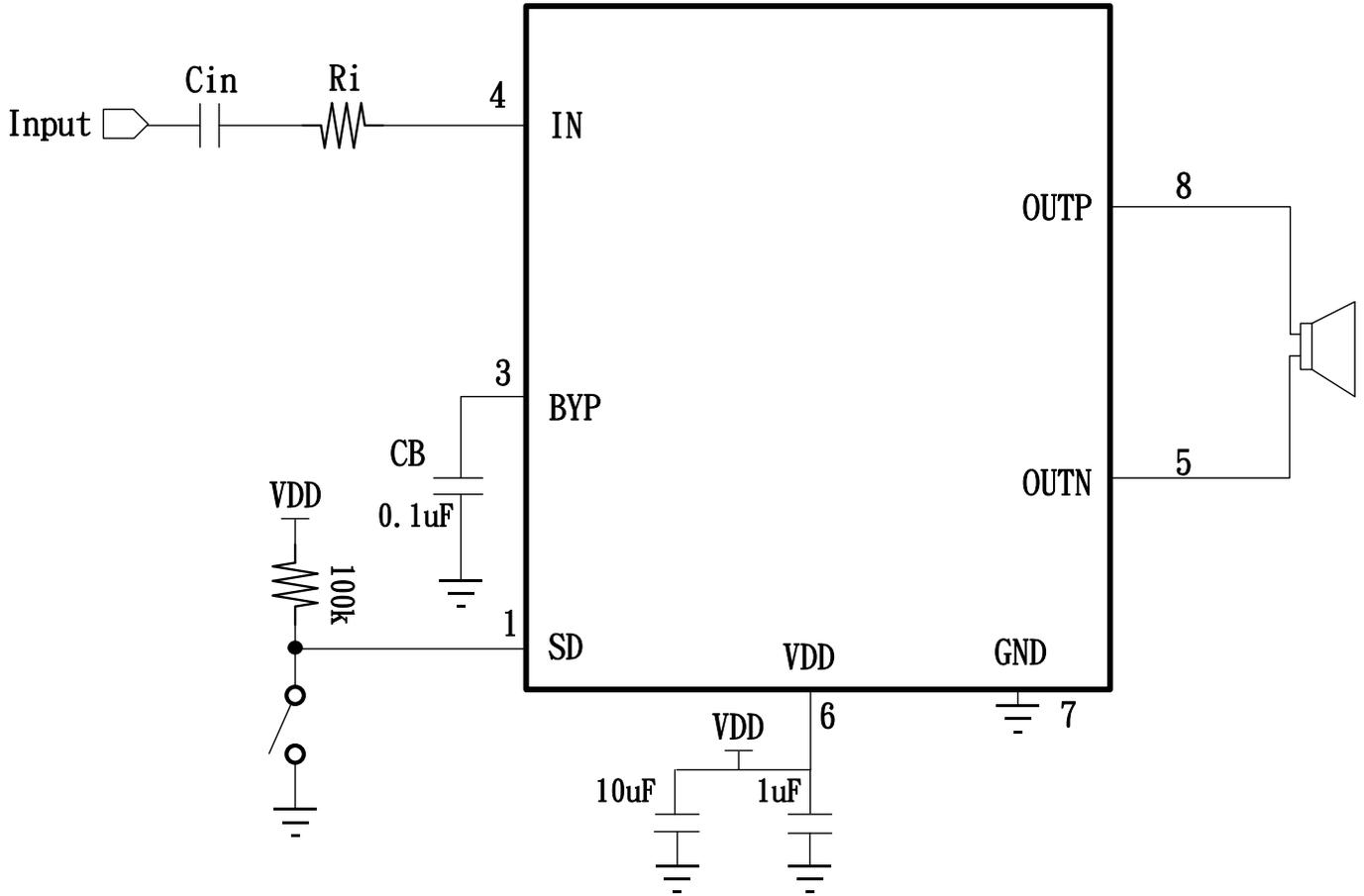
## FEATURES

- CMOS technology
- Supply Voltage(VDD) from 2.5V to 5.5V
- Maximum output power:3W (VDD=5V, RL=4Ω, THD=10%)
- Integrated low-pass filter for out-of-band noise rejection
- Gv can be adjusted by adjusting the input resistance
- Shutdown function, turn on can into save mode
- Built-in pop and click noise suppress
- Built-in over-temperature protection
- Available in SOP8 package

## FUNCTION BLOCK DIAGRAM



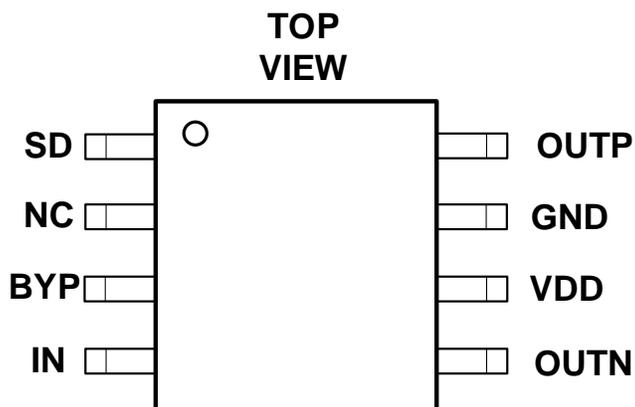
# APPLICATION CIRCUIT



## ORDERING INFORMATION

Valid part Number	Package Type	Top Code
PT3371-S	8-pin SOP	PT3371-S

## PIN CONFIGURATION AND DESCRIPTION



Pin No	I/O	Symbol	Description
1	I	SD	Shutdown pin Entire IC into the shutdown mode when this pin connected to the VDD
2	-	NC	No internal connection
3	I	BYP	Internal bias reference bypassing
4	I	IN	Channel input
5	O	OUTN	Channel output(-)
6	P	VDD	Supply voltage
7	G	GND	Ground
8	O	OUTP	Channel output(+)

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