DESCRIPTION

The PT3300 is a Class-F audio power amplifier with high efficiency and high quality. It has two modes of operation, Class-D mode and Class-F(Class-AB) mode, so can avoid FM radio interference. When operating with a 5V supply voltage, it is capable of driving a 4Ω speaker load at a continuous average output of 3.2W with 10% THD+N. The external application circuit is simple, integrated internal feedback resistor, do without LC low-pass filter. The PT3300 has HSOP8 (with heat sink) package, and has low EMI. It is very suitable for small volume, convenient portable audio products with FM radio. Built-in over-temperature protection, package size is not occupied PCB space. Meanwhile, the PT3300 offers built-in and shut-down control circuitry for optimal pop-free performance.

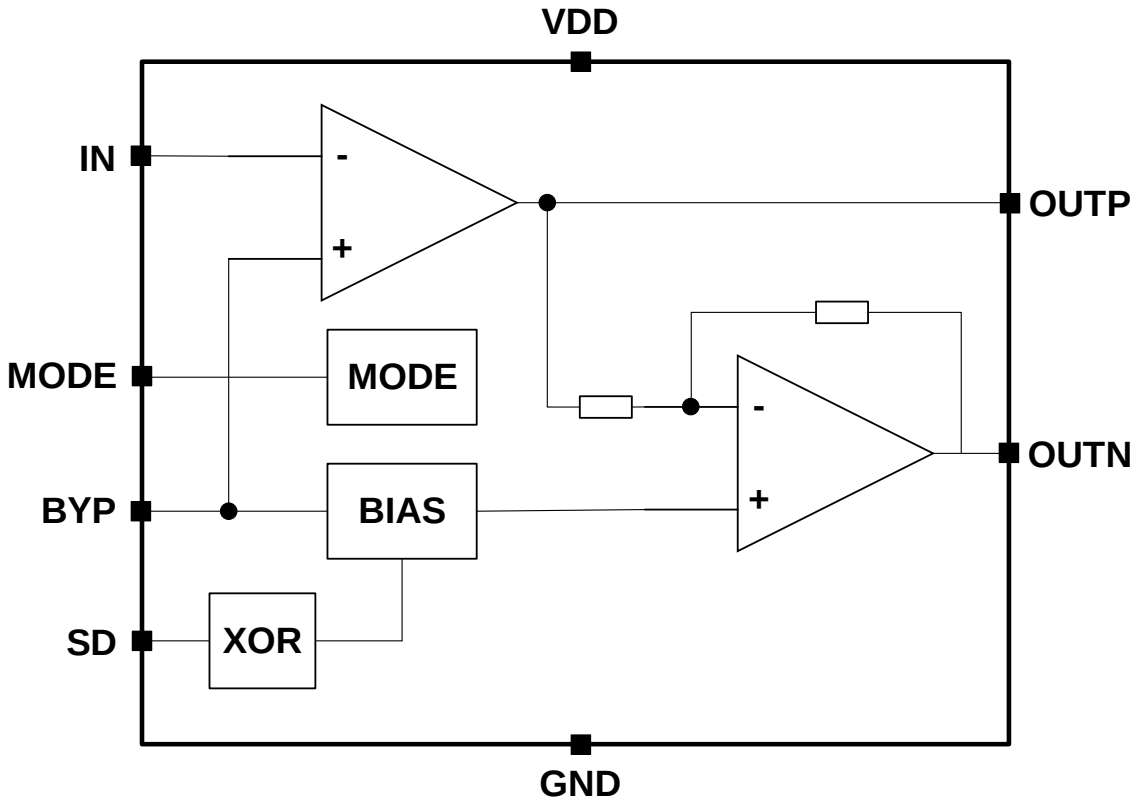
FEATURES

- CMOS technology
- Supply Voltage(VDD) from 2.5V to 5.0V
- Avoid FM radio interference
- Maximum output power:3.2W (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 HSOP8 package

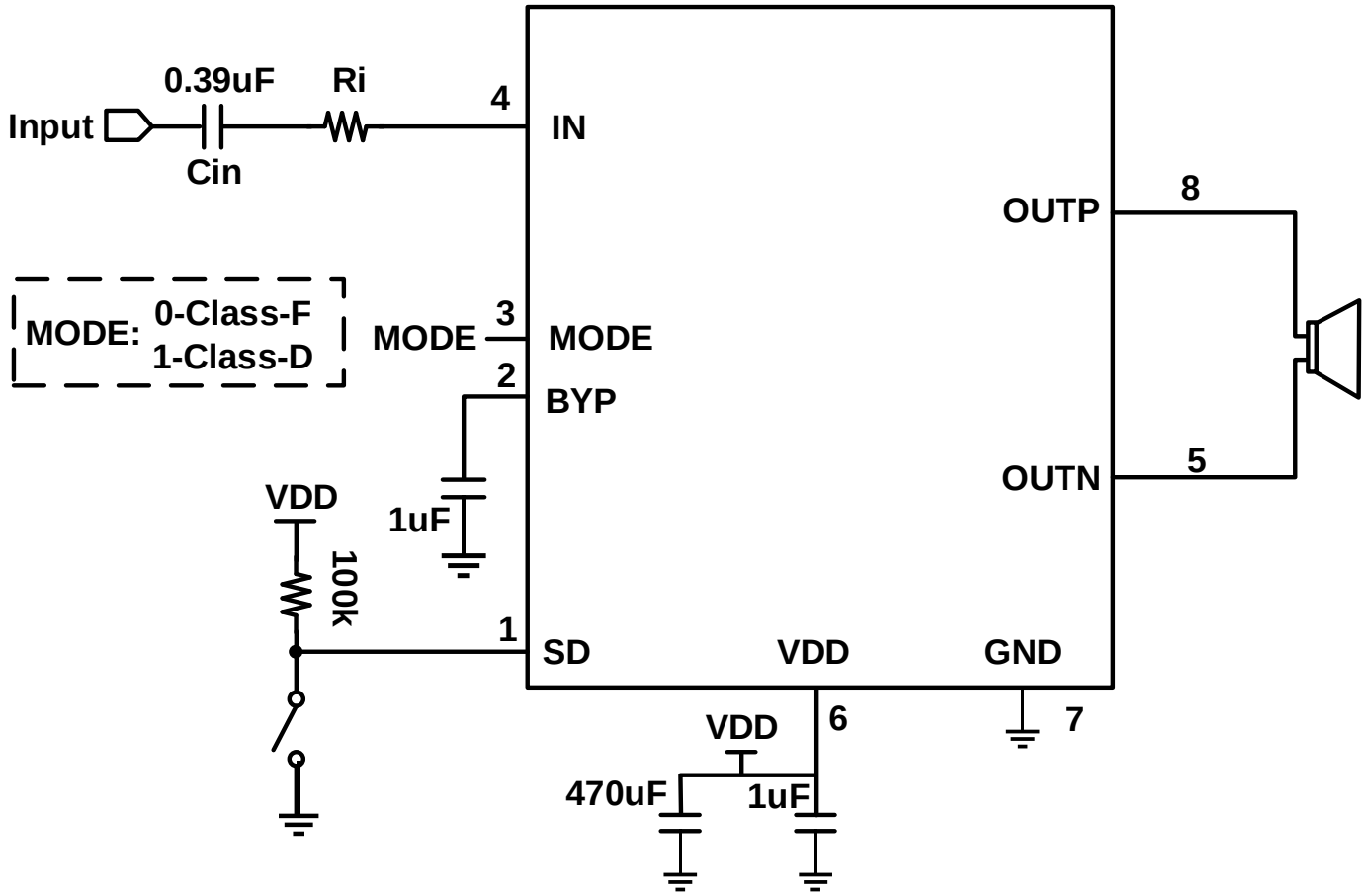
APPLICATIONS

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

FUNCTION BLOCK DIAGRAM



APPLICATION CIRCUIT

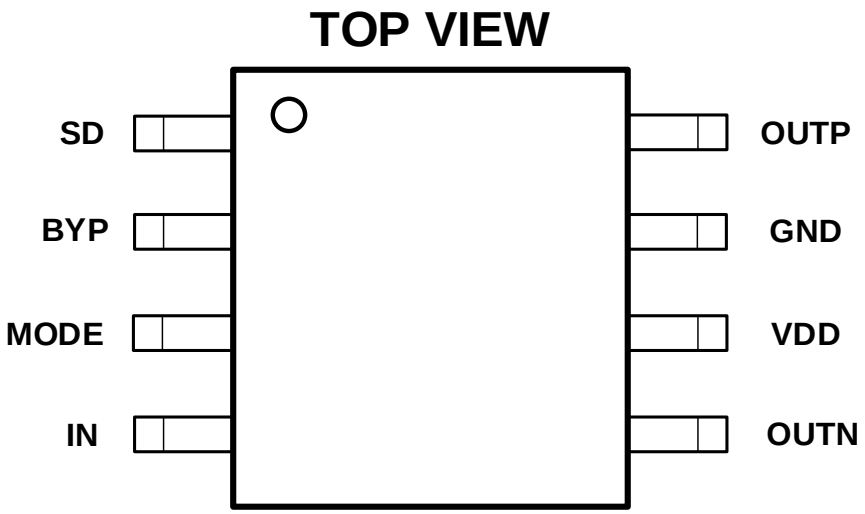


ORDERING INFORMATION

Valid part Number	Package Type	Top Code
PT3300-HS	8-pin HSOP	PT3300-HS

PIN CONFIGURATION

HSOP-8 PACKAGE



PIN DESCRIPTION

PIN NUMBER	I/O	SYMBOL	DESCRIPTION
1	I	SD	Shutdown pin Entire IC into the shutdown mode when this pin connected to the VDD
2	I	BYP	Internal bias reference bypassing
3	I	MODE	Class-F/ Class-D mode selection
4	I	IN	Channel input
5	O	OUTN	Channel output(-)
6	P	VDD	Supply voltage
7	G	GND	Ground
8	O	OUTP	Channel output(+)

IMPORTANT NOTICE

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Princeton Technology Corp.
2F, 233-1, Baociao Road,
Sindian Dist., New Taipei City 23145, Taiwan
Tel : 886-2-66296288
Fax: 886-2-29174598
http://www.princeton.com.tw