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Satellite + Subwoofer 3-Speaker System Electronic Crossover IC      *Preliminary*      **PT2352**

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## DESCRIPTION

PT2352 is a 3-speaker system electronic crossover IC utilizing CMOS Technology specially designed for the new generation of audio equipments. 3-channel electronic volume control, 2-channel 2nd order high pass filter, 2nd order low pass filter and one mono subwoofer audio output are incorporated into a single high performance chips. PT2352 combines the electronic volume controller and crossover circuitry without MCU handling. Pin assignments and application circuit are optimized for easy PCB layout and cost saving advantages.

## FEATURES

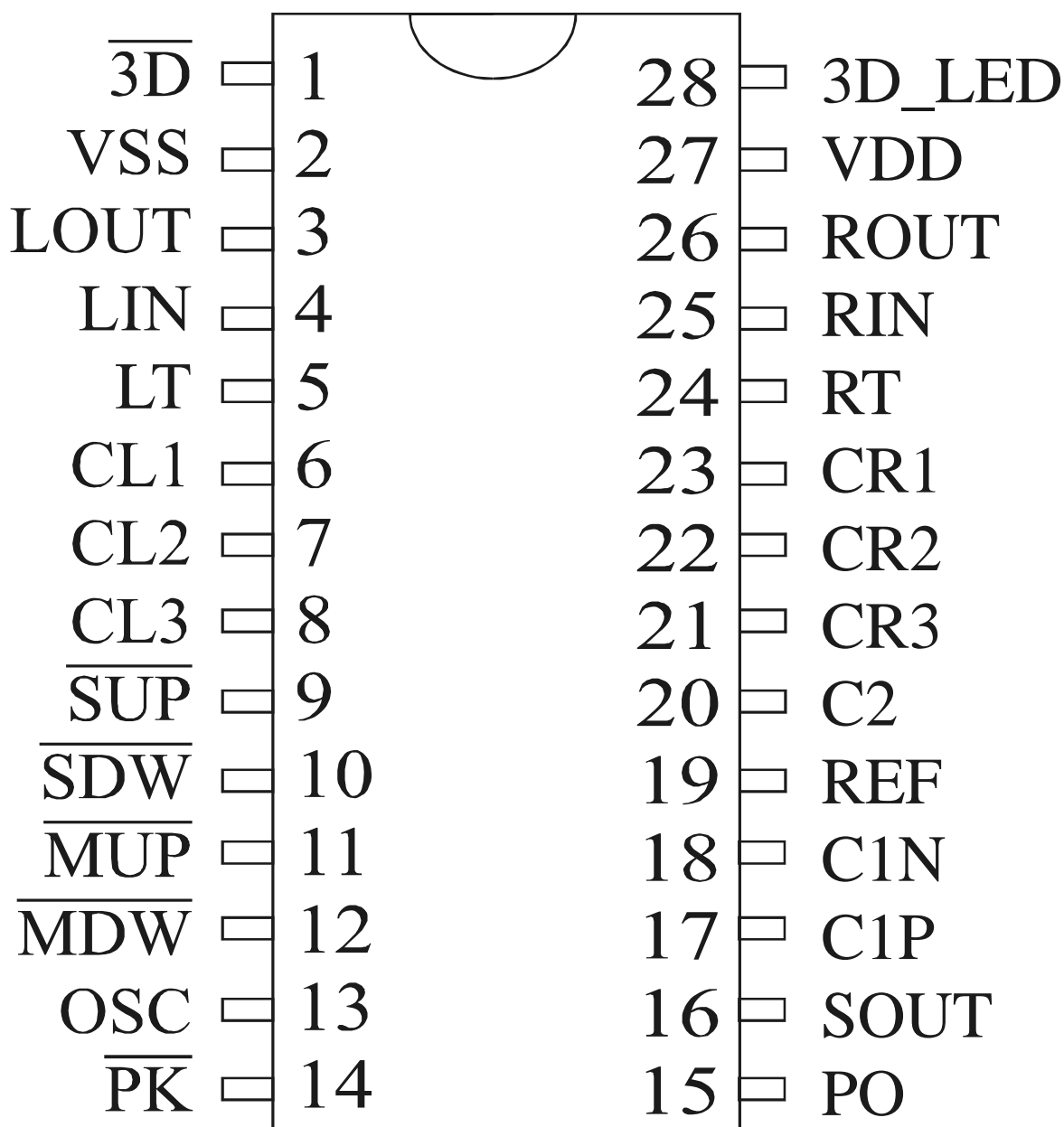
- CMOS Technology
- Low Power Consumption
- 2 Built-in Individual Volume Control: 0 dB to -68dB
- 2-Channel 2nd Order High Pass Filter + 1 Mixed Mono Subwoofer Low Pass Filter
- Cross-Over Frequency adjustable by external passive components
- Control Interface of Volume Control: UP/DOWN Key (MCU is not necessary)
- Built-in 3D Effect and Loudness Function
- Supply Voltage: 5V to 9V

## APPLICATION

- Audio Equipments



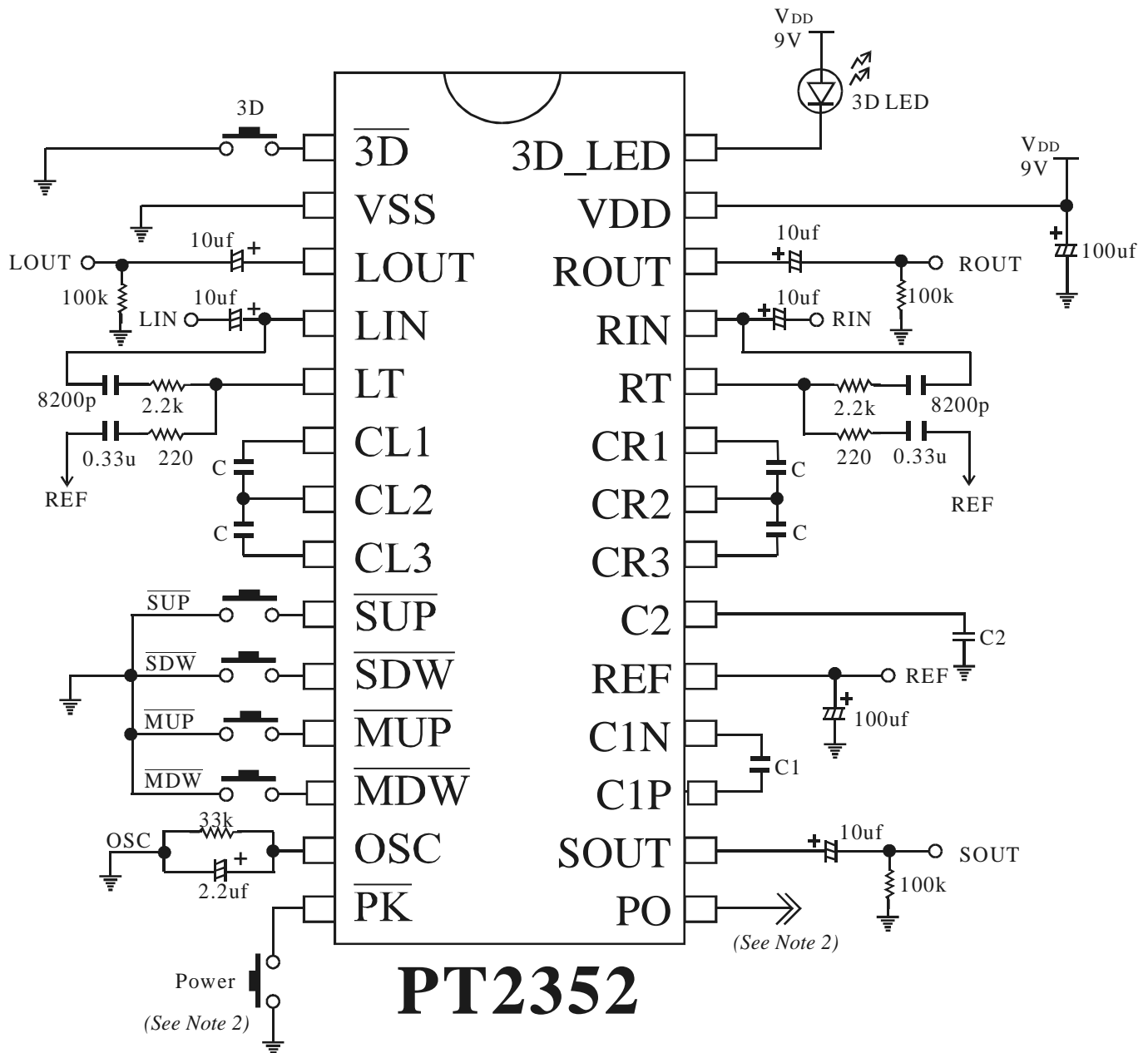
## PIN CONFIGURATION



PT2352



## APPLICATION CIRCUIT



- Notes: 1. Please refer to the PT2352 Crossover Frequency Response Curve for the values of C, C1, C2.  
 2. Please refer to Power Control (PO) Section of this document.



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## ORDER INFORMATION

Valid Part Number	Package Type
PT2352	28 Pins, DIP Package (600 mil)
PT2352-S	28 Pins, SO Package (300 mil)