

## General Description

The ET8303 is a 3W mono filterless class-D amplifier with high PSRR and differential input that eliminate noise and RF rectification.

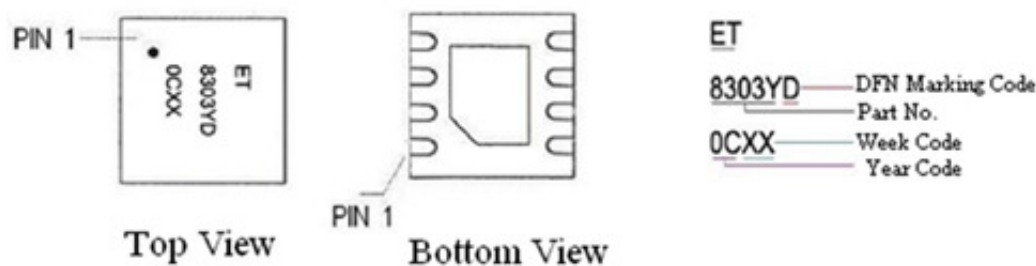
Features like 90% efficiency and small PCB area make the ET8303 class-D amplifier ideal for cellular handsets. The filterless architecture requires no external output filter, fewer external components, less PCB area and lower system costs, and simplifies application design.

The ET8303 features short circuit protection and thermal shutdown.

The ET8303 is available in DFN 3x3 8-pin or MSOP8 packages.

## Features

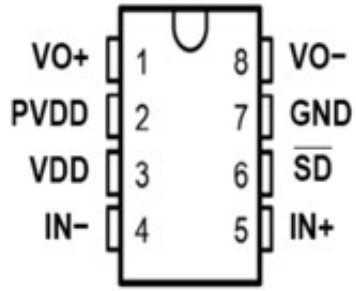
- Ultra Low EMI, -20dB Better Than FCC Class-B @ 300MHz
- High Efficiency up to 90% @1W with an 8Ω Speaker
- Shutdown Current <1μA
- 3W@10% THD Output with a 4Ω Load at 5V Supply
- Demanding Few External Components
- Superior Low Noise without Input
- Supply Voltage from 2.8V to 5.5 V
- Short Circuit Protection
- Thermal Shutdown
- Available in Space Saving Packages: DFN8(ET8303Y)、MSOP8(ET8303)
- Pb-Free Package
- DFN8 print mark:



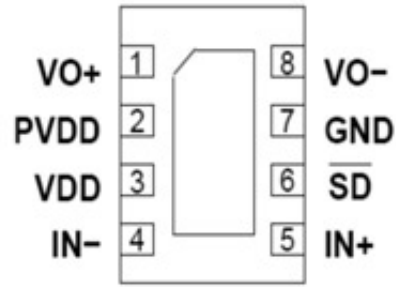
## Application

- Cellular Phones/Smart Phones
- MP4/MP3
- GPS
- Digital Photo Frame
- Electronic Dictionary
- Portable Game Machines

## Pin Configuration



MSOP8



DFN8