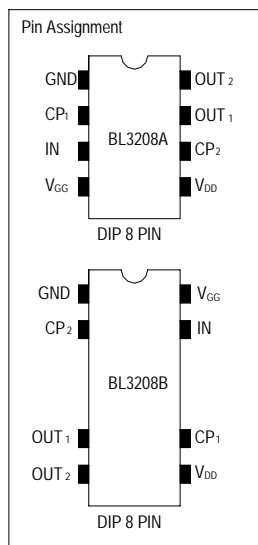


## Description

The BL3208A/B is a 2048-stage low voltage operation, and low noise BBD variable delay line in audio frequency range. The device operates on +5V to +10V supply and provides a signal delay up to 102.4ms. The BL3208 contains 3208A and 3208B two classes. The only differences between them are the outlook and pin assignment.



## Features

Adjustable audio signal delay time range: 10.24ms-102.4ms

Wide supply voltage range: 5V-10V

Typical insertion loss:  $L_i=0\text{dB}$

Wide dynamic range:  $S/N=71\text{B}(\text{type})$

Low distortion:  $\text{THD}=2.5\%(\text{type})$

Clock frequency range: 10kHz-100kHz

N-channel silicon gate process

8-pin plastic DIP for BL3208A, and 8-pin plastic

DIP in outlook of 14-pin DIP for BL3208B

## Application

Chorus, fading, vibrato and reverberation on effects of audio equipments.

Sound effect of electronic musical instruments

Variable or fixed time-delay circuit for analog signals.

Application Circuit  
3208

