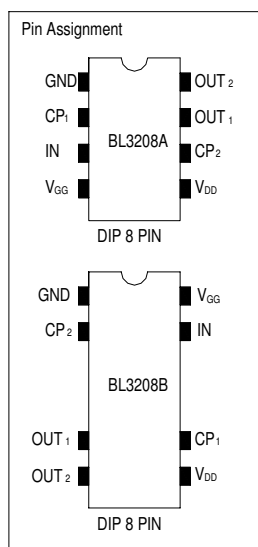


### Description

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

