

## DUAL OPERATIONAL AMPLIFIER

### ■ GENERAL DESCRIPTION

The NJM4560 integrated circuit is a high-gain, wide bandwidth, dual operational amplifier capable of driving 20V peak-to-peak into 400Ω loads. The NJM4560 combines many of the features of the NJM4558 as well as providing the capability of wider bandwidth, and higher slew rate make the NJM4560 ideal for active filters, data and telecommunications, and many instrumentation applications. The availability of the NJM4560 in the surface mounted micro-package allows the NJM4560 to be used in critical applications requiring very high packing densities.

### ■ FEATURES

- Operating Voltage ( ±4V~±18V )
- Wide Gain Bandwidth Product ( 10MHz typ. )
- Slew Rate ( 4V/μs typ. )
- Package Outline DIP8, DMP8, SIP8, SOP8 JEDEC 150mil
- Bipolar Technology

### ■ PACKAGE OUTLINE



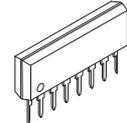
**NJM4560D**  
( DIP8 )



**NJM4560M**  
( DMP8 )

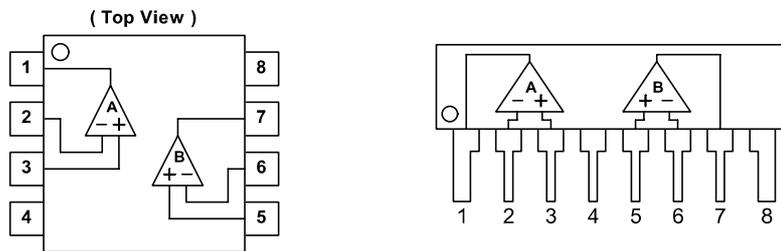


**NJM4560E**  
( SOP8 )



**NJM4560L**  
( SIP8 )

### ■ PIN CONFIGURATION



NJM4560D, NJM4560M, NJM4560E

NJM4560L

### PIN FUNCTION

1. A OUTPUT
2. A - INPUT
3. A +INPUT
4. V<sup>-</sup>
5. B +INPUT
6. B - INPUT
7. B OUTPUT
8. V<sup>+</sup>

### ■ EQUIVALENT CIRCUIT ( 1/2 Shown )

