

QUAD SINGLE-SUPPLY OPERATIONAL AMPLIFIER

■ GENERAL DESCRIPTION

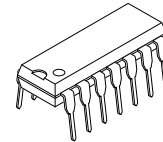
The NJM2902 consists of four independent high-gain operational amplifiers that are designed for single-supply operation.

Operation from split power supplies is also possible and the low power supply drain is independent of the magnitude of the power supply voltage.

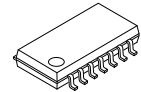
Used with a dual supply the circuit will operate over a wide range of supply voltages. However, a large amount of crossover distortion may occur with loads to ground. An external current-sinking resistor to $-V_S$ will reduce crossover distortion.

There is no crossover distortion problem in single-supply operation if the load is direct-coupled to ground.

■ PACKAGE OUTLINE



NJM2902N



NJM2902M



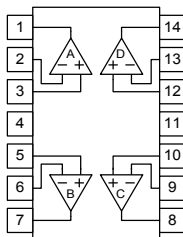
NJM2902V

■ FEATURES

- Single Supply
- Operating Voltage (+3V~+32V)
- High Output Voltage ($V^+ - 2V$)
- Slew Rate (0.5V/ μ s typ.)
- Low Operating Current (1mA typ.)
- Package Outline DIP14, DMP14, SSOP14
- Bipolar Technology

■ PIN CONFIGURATION

NJM2902N, NJM2902M
NJM2902V



PIN FUNCTION

- | | |
|------------------|-------------|
| 1.A OUTPUT | 8.C OUTPUT |
| 2.A -INPUT | 9.C -INPUT |
| 3.A +INPUT | 10.C +INPUT |
| 4.V ⁺ | 11.V |
| 5.B +INPUT | 12.D +INPUT |
| 6.B -INPUT | 13.D -INPUT |
| 7.B OUTPUT | 14.D OUTPUT |

■ EQUIVALENT CIRCUIT (1/4 Shown)

