



DUAL HIGH CURRENT OPERATIONAL AMPLIFIER

■ GENERAL DESCRIPTION

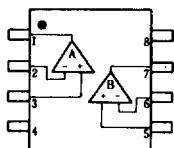
The NJM4556A integrated circuit is a high-gain, high output current dual operational amplifier capable of driving $\pm 70\text{mA}$ into 150Ω loads ($\pm 10.5\text{V}$ output voltage), and operating low supply voltage ($\text{V}^+/\text{V}^- = \pm 2\text{V} \sim$).

The NJM4556A combines many of the features of the popular NJM4558 as well as having the capability of driving 150Ω loads. In addition, the wide band-width, low noise, high slew rate and low distortion of the NJM4556A make it ideal for many audio, telecommunications and instrumentation applications.

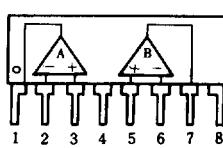
■ FEATURES

- Operating Voltage $(\pm 2\text{V} \sim \pm 18\text{V})$
- High Output Current $(I_o=70\text{mA})$
- Slew Rate $(3\text{V}/\mu\text{s typ.})$
- Gain Band Width Product (8MHz typ.)
- Package Outline DIP8, DMP8, SIP8, SSOP8
- Bipolar Technology

■ PIN CONFIGURATION



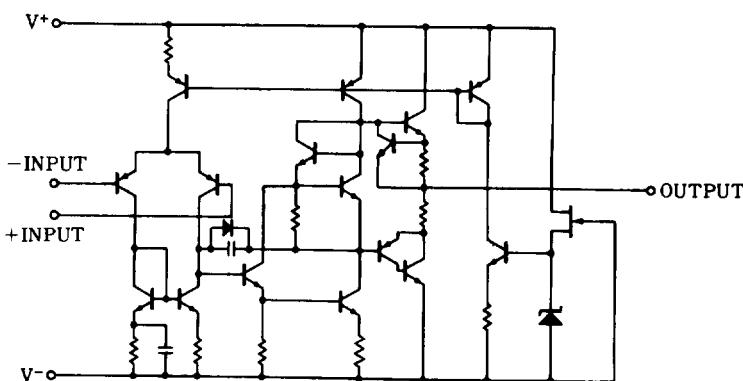
NJM4556AD
NJM4556AM
NJM4556AV



NJM4556AL

PIN FUNCTION	
1 . A OUTPUT	
2 . A-INPUT	
3 . A+INPUT	
4 . V-	
5 . B+INPUT	
6 . B-INPUT	
7 . B OUTPUT	
8 . V+	

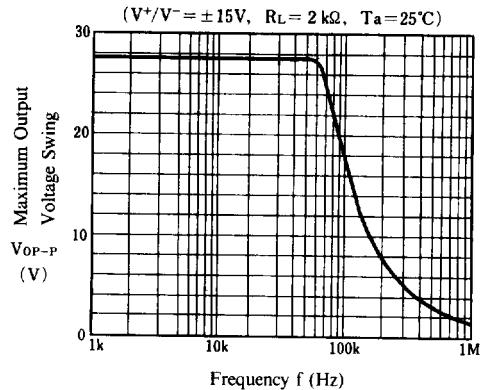
■ EQUIVALENT CIRCUIT (1/2 Shown)



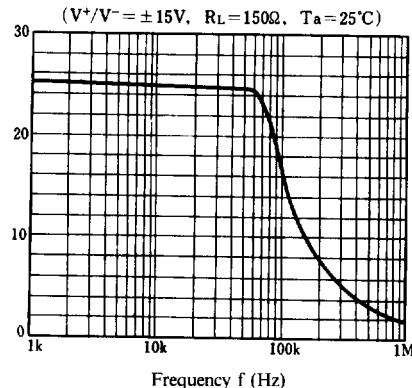


■ TYPICAL CHARACTERISTICS

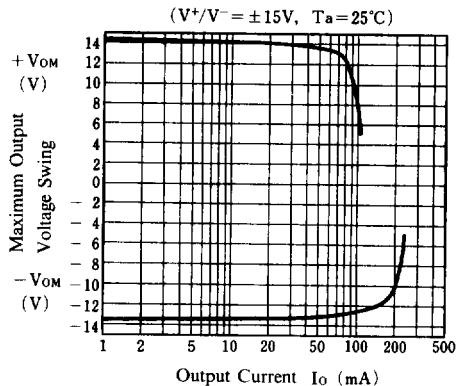
Maximum Output Voltage Swing vs. Frequency



Maximum Output Voltage Swing vs. Frequency

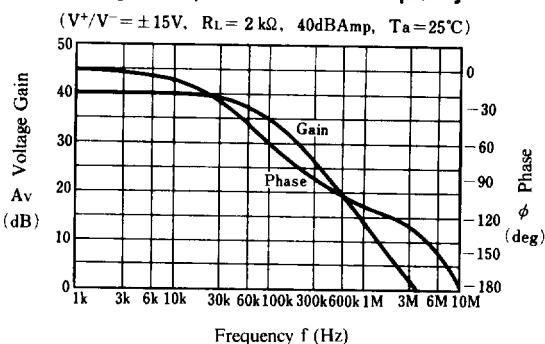


Maximum Output Voltage Swing vs. Output Current

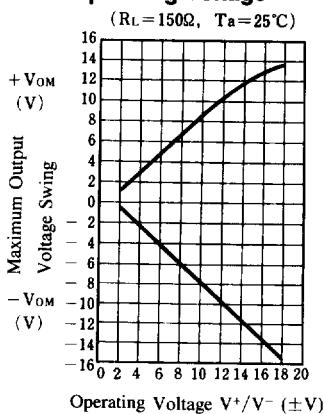


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Voltage Gain, Phase Shift vs. Frequency



Maximum Output Voltage Swing vs. Operating Voltage



Total Harmonic Distortion vs. Output Voltage

