

GET 400 WATTS OF CLEAN STEREO POWER WITH AMPZILLA



CONSTRUCTION

SPECIFICATIONS		
CONTINUOUS POWER (both channels driven)	4 OHMS Over 300 W per channel	16 OHMS 100 W per channel
THD OR IM (any level to full power)	Less than 0.2%	Less than 0.05%
FULL-POWER FREQUENCY RESPONSE	± 1 dB from 1 Hz to 100 kHz	
1-WATT FREQUENCY RESPONSE	± 3 dB from 0.02 Hz to 500 kHz	

BY JAMES BONGIORNO

NOW YOU can build a super-power, high-fidelity stereo amplifier (200 watts per channel at 8 ohms with both channels driven) that boasts extremely low distortion, extra-wide bandwidth, ultra stability, very low noise and high inherent reliability! Called "Ampzilla," it is an audio power amplifier for kit builders who want truly high output power (see Hirsch-Houck Labs evaluation) that promises to retain its state-of-the-art design for many years.

The most distinctive visible feature of Ampzilla is its cooling chimney. This is a six-inch square opening extending from top to bottom of the amplifier. The output transistor heat-sink fins are interleaved within the chimney. A fan draws cooling air in at the bottom (which is raised from the supporting surface by plastic feet) and blows it over the fins and out the top.

In examining performance speci-

cations, observe that the full-power frequency response is within 1 dB from under 1 Hz to over 100 kHz. As a result, it will pass a full-power 20-kHz

square wave. Adherents of low-efficiency speaker systems and rock groups should also note that there's full power at the low end, 20 Hz. Addi-



Ampzilla has a rise time at full power of less than 3 μ s with no overshoot or ringing. Sensitivity is 1.63 V rms for 200 W at 8 ohms; input impedance: 70,000 ohms; damping factor: over 100.