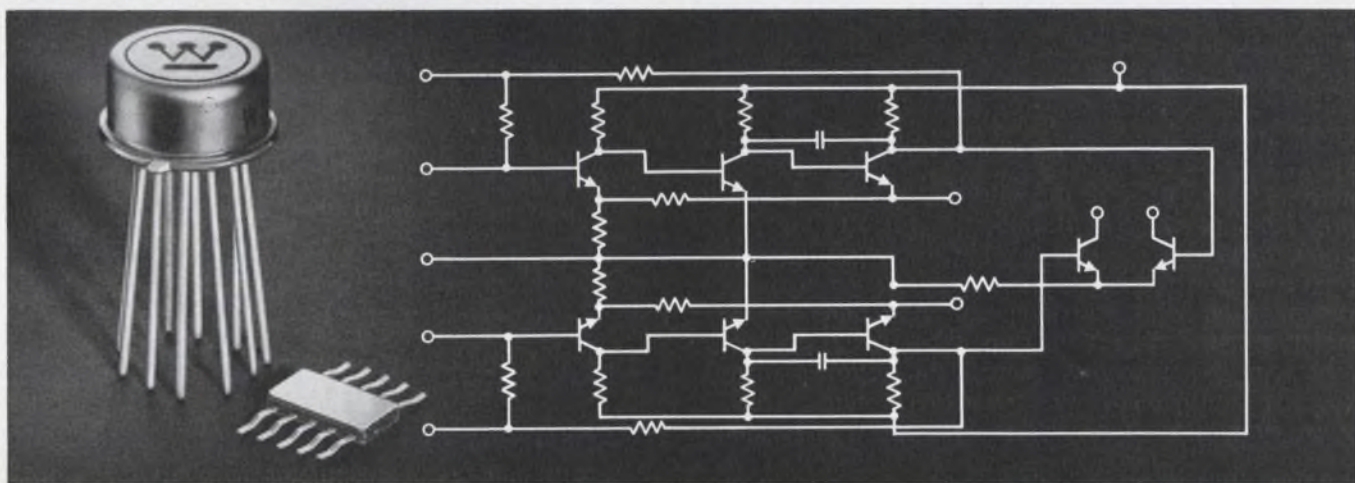


# so discrete:



## New Class B amp gives 94 db gain at 4.5 Vcc, has over 50% efficiency

Here's the best commercially available Class B audio amplifier in silicon! It's the new Westinghouse WC 183. This universal low-level IC audio amplifier gives high gain throughout the Vcc range from 1.5 to 9. Minimum gain with a single battery cell is 60 db.

And here's a stopper...you can buy the WC 183 in TO can or flat package for only \$7.50 in quantities of 50! How does Westinghouse do it? We start the circuit with a three stage Class A preamplifier. There's your high gain. We follow it with a Class B output stage. That gives high efficiency. The entire 8-transistor balanced circuit with internal DC feedback draws only 5 ma. at a minimum output power of 3 mw.

The quiescent current is extremely low too. It's only 0.9 ma. at 1.5 Vcc. This means vastly extended battery

life in most applications. It also makes possible a broad range of new battery-powered IC applications.

You'll find the WC 183 ideal for hearing aids, paging systems, dictating equipment, phone amplifiers, and dozens of other voice communication applications. You can also put it to work in phonographs, tape recorders, and other uses where you want flat frequency response extending beyond the audio range.

Reliability? Every chip undergoes storage bake at 150°C, 20,000 G centrifuge, and hermeticity tests. Life tests indicate less than 0.01% failure rate per 1000 hrs.

Send for the specs. You'll think of at least a dozen great ways to use the remarkable WC 183. Write Westinghouse Electric Corporation, Molecular Electronics Division, Box 7377, Elkridge, Maryland 21227. J 09125

You can be sure if it's Westinghouse

