

**LINEAR
INTEGRATED
CIRCUITS
- INDUSTRIAL -**



\$ **BE 5517A**
\$ **BE 5517**
DUAL TRANSCONDUCTANCE OPERATIONAL AMPLIFIERS

The BE 5517 contains two current controlled transconductance amplifiers, each with a differential input and push-pull output. The BE 5517 offers significant design and performance advantages over similar devices for all types of programmable gain applications. Constant impedance buffers are provided which effectively eliminate changes in output offset voltage as the amplifier bias current is varied.

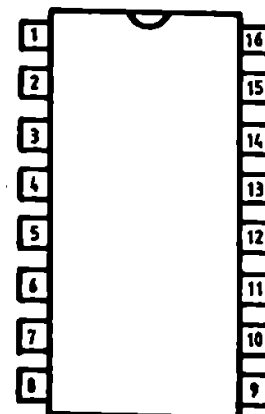
Features

- Constant impedance buffers
- VBE of buffers is constant with amplifier I bias change
- Pin compatible with BM 13600
- Excellent matching between amplifiers V
- Linearizing diodes

Applications

- Multiplexers
- Timers
- Electronic music synthesizers
- Dolby HX (Headroom extension) systems
- Current controlled amplifiers, filters
- Current controlled oscillators, impedances

- | 1. Amp 1 bias input
- | 2. Diode 1 bias
- | 3. Input 1+
- | 4. Input 1-
- | 5. Output 1
- | 6. V-
- | 7. Buffer 1 input
- | 8. Buffer 1 output
- | 9. Buffer 2 output
- | 10. Buffer 2 input
- | 11. V+
- | 12. Output 2
- | 13. Input 2-
- | 14. Input 2+
- | 15. Diode 2 bias
- | 16. Amp 2 bias input



PACKAGE MP-117 / TOP VIEW

\$ Preliminary data