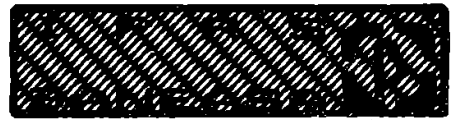


**LINEAR
INTEGRATED
CIRCUITS
- INDUSTRIAL -**



*** β M 13600
* β M 13700
DUAL TRANSCONDUCTANCE OPERATIONAL AMPLIFIERS**

The β M 13600 and β M 13700 IC's consist of two current controlled transconductance amplifiers each with differential inputs and a push-pull output. The two amplifiers have common supplies but otherwise operate independently. Linearizing diodes are provided at the inputs to reduce distortion and allow higher input levels. The β M 13600 has a controlled impedance buffer when β M 13700 has a high impedance buffer.

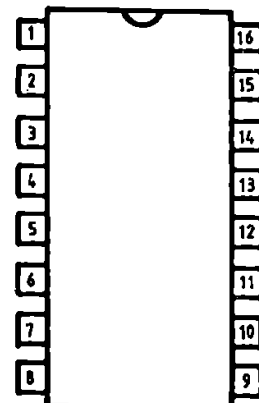
Features

- Transconductance adjustable over 6 decades
- Excellent transconductance linearity
- Excellent matching between amplifiers.
- Wide supply range ± 2 V ... ± 18 V

Applications

- Current controlled amplifiers
- Current controlled impedances
- Current controlled filters
- Current controlled oscillators
- Multiplexers
- Timers
- Sample-and-hold circuits

-
- | 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
 - | 13. Input 2-
 - | 14. Input 2+
 - | 15. Diode 2 bias
 - | 16. Amp 2 bias input



PACKAGE MP-117 / TOP VIEW

* Preliminary data