



βA 3054
DUAL INDEPENDENT DIFFERENTIAL AMPLIFIER

The integrated circuit βA 3054 consists of two independent differential amplifiers with associated constant current transistors. The six n-p-n transistors which comprise the amplifiers are general purpose devices useful from DC to 120 MHz. Bias and load resistances have been omitted to feature maximum application flexibility.

The monolithic construction provides close electrical and thermal matching of the amplifiers.

Features

For the integrated circuit

- Operating temperature	0 ...	+70 °C
- Storage temperature	-55 ...	+125 °C
- Power dissipation	max.	500 mW

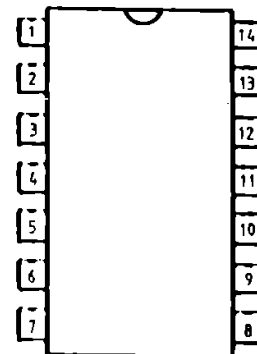
For each transistor

- Collector-emitter voltage	max.	15 V
- Collector-base voltage	max.	20 V
- Emitter-base voltage	max.	5 V
- Collector current	max.	50 mA
- Base current	max.	10 mA
- DC current gain	typ.	150 -

For each differential amplifier

- Input offset voltage	max.	5 mV
- Input offset current	max.	2 μA

- 1. C2
- 2. B2
- 3. B3
- 4. E3
- 5. Substrate
- 6. B5
- 7. C5
- 8. C6
- 9. B6
- 10. NC
- 11. B4
- 12. E4
- 13. B1
- 14. C1



PACKAGE TO-116 / TOP VIEW