

## TBA231 Dual Operational Amplifier

### REFERENCE TABLE

Code		Stock No.
TBA231	( $\mu$ A739C)	29145X

### DESCRIPTION

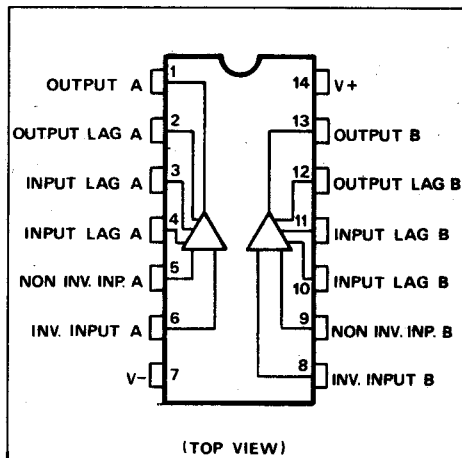
The TBA 231 consists of two identical operational amplifiers built on a monolithic silicon chip.

These low-noise, high-gain amplifiers show extremely stable operating characteristics over a wide range of supply voltage and temperature. The device is intended for a variety of applications requiring two high performance operational amplifiers, such as a stereo preamplifier.

### FEATURES

- Single or Dual Supply Operation
- Low Noise Figure (typ. 1.5 db)
- High Gain (typ. 20,000)
- Large Input Voltage Range
- Excellent Gain Stability vs Supply Voltage
- No Latch-up
- Output Short Circuit Protected

### CONNECTION DIAGRAM



See outline drawing No. 117 for dimensions.

### ABSOLUTE MAXIMUM RATINGS (1)

Supply Voltage:	$\pm 18V$
Power Dissipation ( $T_A = 60^\circ C$ ):	500mW
Differential Input Voltage:	$\pm 5V$
Common Mode Input Voltage	$\pm 15V$
Storage Temperature Range:	$-55^\circ C$ to $+125^\circ C$
Operating Temperature Range:	$0^\circ C$ to $+70^\circ C$