

**LINEAR
INTEGRATED
CIRCUITS
-RADIO-TV-**



**TBA 950/1
TBA 950/2
TELEVISION SIGNAL PROCESSING CIRCUITS**

The TBA 950/1 and TBA 950/2 are monolithic integrated circuits for sync separation and line synchronization in black and white TV receivers with transistor output stages.

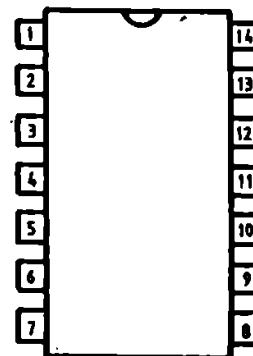
The circuit comprises the sync separator, the frame pulse integrator, the phase comparator of noise immunity, the line oscillator with frequency range limiter, a phase control circuit and the output stage.

The difference between these two versions is the output pulse duration.

Features

- Operating temperature	0 ... + 60 °C
- Storage temperature	-25 ... +125 °C
- Supply voltage	max. 18 V
- Supply current (pin 3)	max. 50 mA
- Input current (pin 5)	max. 2 mA
- Stabilized voltage	8.9 ... 10.5 V
- Composite video input signal	1 ... 6 Vpp
- Output pulse duration	TBA 950/1 ... 22 ... 26 us
	TBA 950/2 ... 24 ... 28.5 us
- Free frequency oscillation	typ. 15,625 Hz
- Frequency pull-in range	min. +/- 500 Hz

- 1. GND
- 2. Lines output
- 3. V+ (stabilized voltage)
- 4. CP1 filter
- 5. Video input
- 6. Separator output
- 7. Frames output
- 8. Detector capacitor
- 9. Detector output
- 10. Flyback input
- 11. Phase control
- 12. CP2 filter
- 13. Internal oscillator
- 14. Oscillator control



PACKAGE TO-116 / TOP VIEW