



LINEAR
INTEGRATED
CIRCUITS
—RADIO—TV—

TBA 120T
TAA 120U
IF AMPLIFIER AND FM DETECTOR

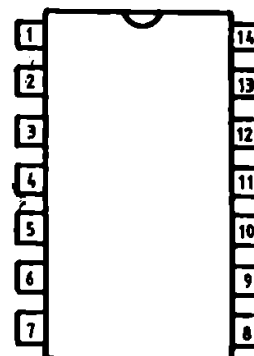
The TBA 120T and TBA 120U integrated circuits are intended for use into the sound stage of TV and FM radio receivers. They incorporate a limiting IF amplifier, balanced FM detector with coincidence, a voltage reference, AF preamplifier, DC operated volume control, constant level audio output for video recording/playback and an auxiliary AF input for multistandard reception or video playback.

The TBA 120T uses ceramic filters, while TBA 120U is optimized for inductive tuning.

Features

- Operating temperature	-25 ... + 70 °C
- Storage temperature	-25 ... +125 °C
- Supply voltage	max. 18 V
- Supply current	9 ... 18 mA
- Voltage applied to pin 5	max. 6 V
- Current (pin 4)	max. 5 mA
- Operating frequency range	0 ... 12 MHz
- Regulator voltage ($i_4 < 5$ mA)	4 ... 6 V
- Volume control	min. 70 dB
- Sensitivity (-3 dB)	max. 60 μ Veff
- AM rejection	min. 50 dB

- 1. GND
- 2. Bias decoupling
- 3. Recorder audio input
- 4. Volume control bias
- 5. Volume control
- 6. IF amplifier output
- 7. Phase shift network
- 8. Volume controlled audio output
- 9. Phase shift network
- 10. IF amplifier output
- 11. V+
- 12. Constant level audio output
- 13. IF input bias
- 14. IF input



PACKAGE TO-116 / TOP VIEW