



**TDA 1170S
VERTICAL DEFLECTION SYSTEM**

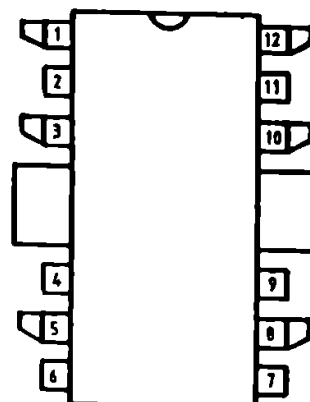
The TDA 1170S is a monolithic integrated circuit intended to be used for vertical deflection in black and white and color TV sets.

The circuit incorporates the following stages : synchronization circuit, oscillator and ramp generator, high power gain amplifier, flyback generator and a voltage regulator.

Features :

- Operating temperature	-25 ... +70 °C
- Storage temperature	-25 ... +125 °C
- Supply voltage	10 ... 35 V
- Flyback peak voltage	max. 60 V
- Synchronization current	max. +/- 20 mA
- Non-repetitive output peak current	max. 2 A
- Stabilized voltage	typ. 6.5 V
- Voltage drift with supply voltage	typ. 1.5 mV/V
- Voltage drift with temperature	typ. 0.25 mV/°C
- Oscillator bias current	max. 1 µA
- Oscillator sawtooth voltage	typ. 2.4 Vpp
- Synchronization input current :	min. 500 µA
- Oscillator free running frequency	43 ... 52 Hz
- Amplifier input bias current	max. 1 µA
- Flyback time	max. 0.8 ms

1. Ramp output
2. V+
3. Flyback generator
4. Power output
5. Power amplifier DC supply
6. Regulated voltage
7. Amplitude control
8. Synchronization input
9. RC oscillator
10. Power amplifier input
11. Frequency compensation
12. Ramp generator



(TABS must be grounded)

PACKAGE CB-109 / TOP VIEW



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

TDA 1170SH
VERTICAL DEFLECTION SYSTEM

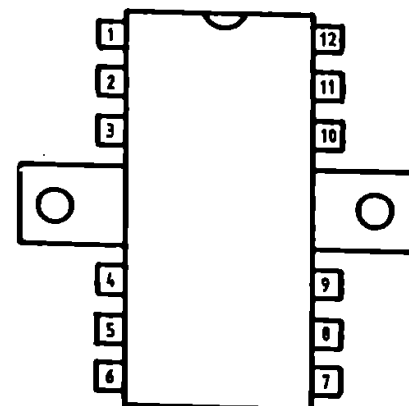
The TDA 1170SH is a monolithic integrated circuit intended to be used for vertical deflection in black and white and color TV sets.

The circuit incorporates the following stages : synchronization circuit, oscillator and ramp generator, high power gain amplifier, flyback generator and a voltage regulator.

Features

- Operating temperature	-25 ... +70 °C
- Storage temperature	-25 ... +125 °C
- Supply voltage	10 ... 35 V
- Flyback peak voltage	max. 60 V
- Synchronization current	max. +/- 20 mA
- Non-repetitive output peak current	max. 2 A
- Stabilized voltage	typ. 6.5 V
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- Voltage drift with temperature	typ. 0.25 mV/°C
- Oscillator bias current	max. 1 µA
- Oscillator sawtooth voltage	typ. 2.4 Vpp
- Synchronization input current	min. 500 µA
- Oscillator free running frequency	43 ... 52 Hz
- Amplifier input bias current	max. 1 µA
- Flyback time	max. 0.8 ms

1. Ramp output
2. V+
3. Flyback generator
4. Power output
5. Power amplifier DC supply
6. Regulated voltage
7. Amplitude control
8. Synchronization input
9. RC oscillator
10. Power amplifier input
11. Frequency compensation
12. Ramp generator



(TABS must be grounded)

PACKAGE CB-155 / TOP VIEW