



TCA 150T 5 W - AF AMPLIFIER

The TCA 150T is an AF power amplifier intended for use in radio receivers, car-radios, TV sets, tape recorders and in many other industrial applications up to 5 W output power.

This integrated circuit is internally protected against overheating. Due to a suitable configuration of internal circuit, the following advantages can be provided :

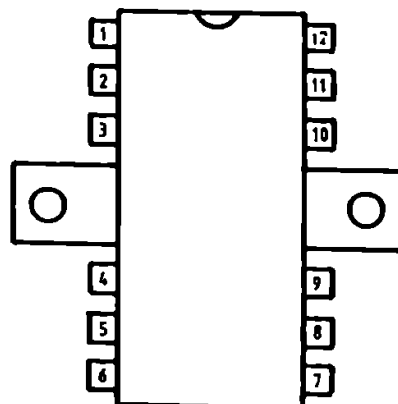
- open-loop gain is high enough to allow a great amount of feedback (low distortions) and keep a sufficient closed loop gain (high sensitivity) ;

- the differential preamplifier, fed from a controlled constant-current source, provides good immunity against power-supply ripple .

Features

- Operating temperature	-25 ...	+70 °C
- Storage temperature	-25 ...	+125 °C
- Supply voltage	6 ...	18 V
- Input voltage	-0.5 ...	15 V
- Repetitive peak output current	max.	2.3 A
- Voltage gain	43 ...	49 dB
- Input equivalent noise voltage	max.	10 µV
- Distorsion coefficient	max.	1 %
- Minimum output power (THD $\leq$ 10 %)	typ.	5 W

- 1. V+
- 2. NC
- 3. NC
- 4. Bootstrap
- 5. Frequency compensation
- 6. Feedback
- 7. Preamplifier decoupling
- 8. Input
- 9. Preamplifier GND
- 10. Amplifier GND
- 11. NC
- 12. Output



(TABS must be grounded)

PACKAGE CB-155 / TOP VIEW