



TDA7293

## 120V - 100W DMOS AUDIO AMPLIFIER WITH MUTE/ST-BY

- VERY HIGH OPERATING VOLTAGE RANGE ( $\pm 50V$ )  
DMOS POWER STAGE  
HIGH OUTPUT POWER (100W @ THD =



NO SWITCH ON/OFF NOISE

VERY LOW NOISE

SHORT CIRCUIT PROTECTION

THERMAL SHUTDOWN

CLIP DETECTOR

MODULARITY (MORE DEVICES CAN BE EASILY CONNECTED IN PARASLEL TO DRIVE VERY LOW IMPEDANCES)

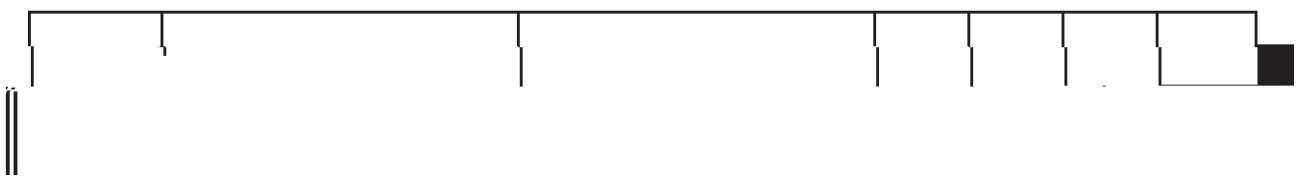
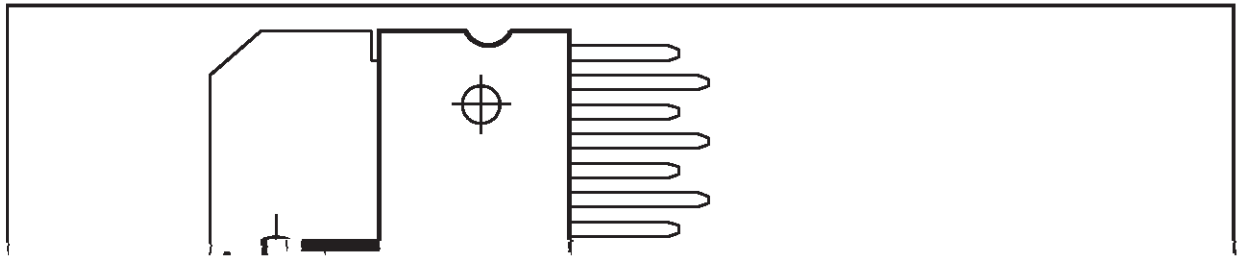
### DESCRIPTION

The TDA7293 is a monolithic integrated circuit in Multiwatt15 package, intended for use as audio class AB amplifier in Hi-Fi field applications

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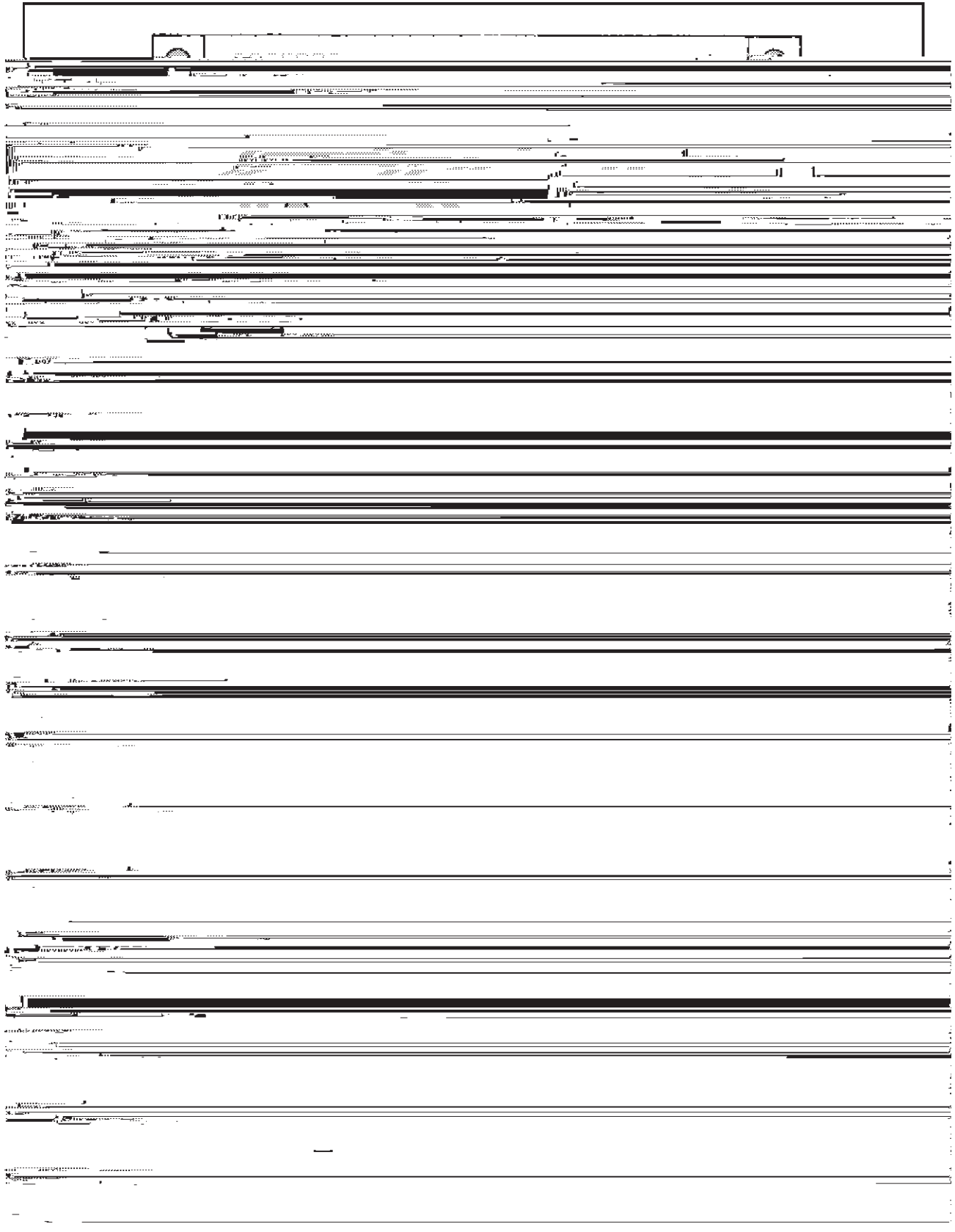
**ELECTRICAL CHARACTERISTICS** (Refer to the Test Circuit V)

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Figure 2: Typical Application P.C. Board and Component Layout (scale 1:1)

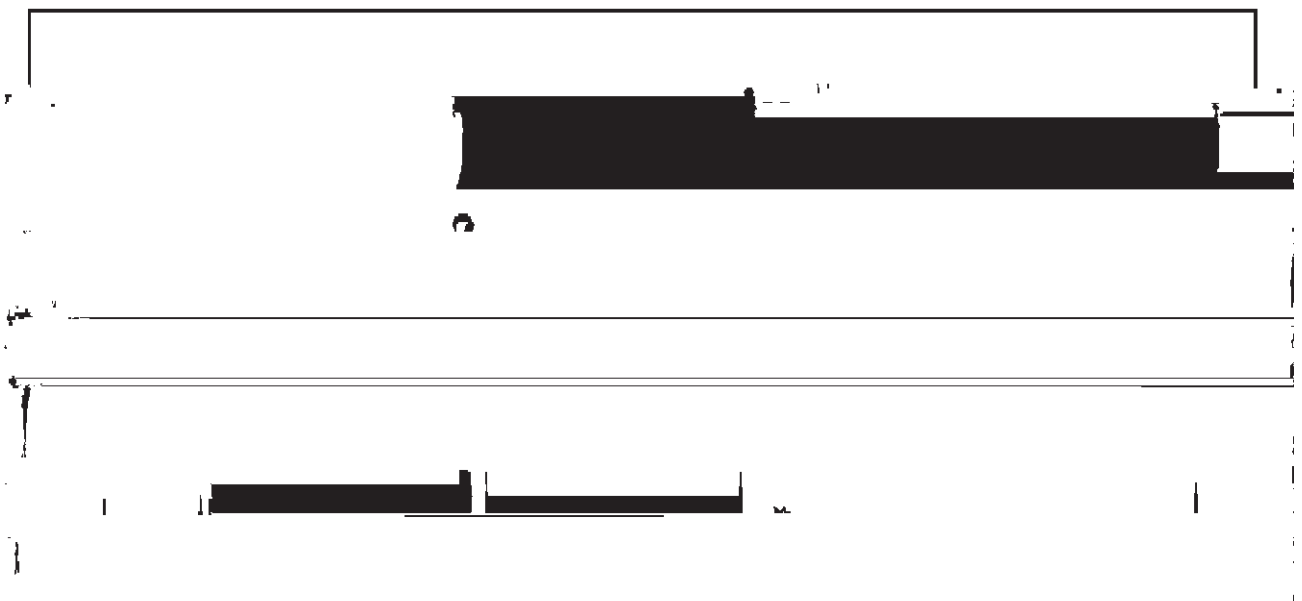


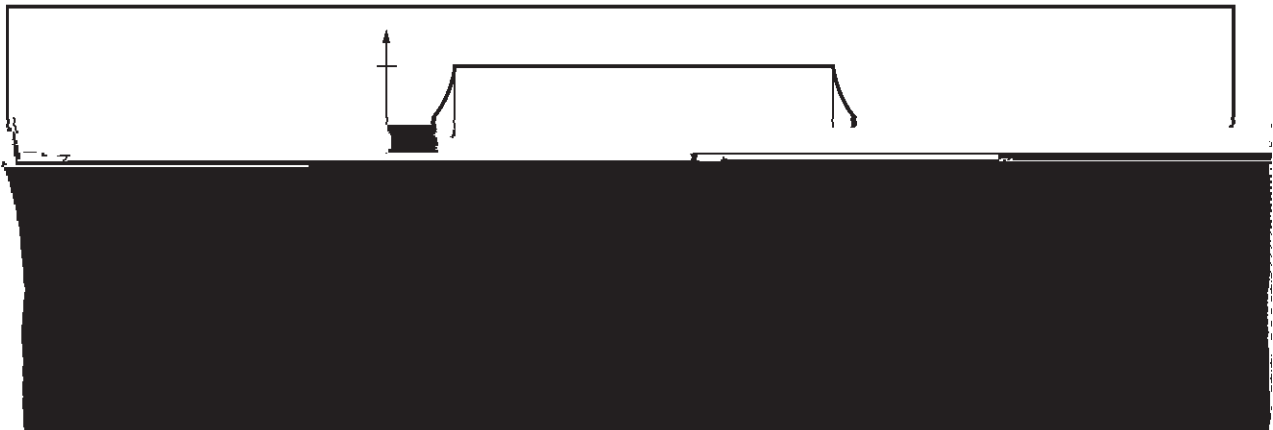


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## INTRODUCTION

In consumer electronics, an increasing demand





In addition to the overload protection described above, the device features a thermal shutdown circuit which initially puts the device into a muting state (@  $T_j = 150^\circ\text{C}$ ) and then into stand-by (@  $T_j = 160^\circ\text{C}$ ).

Full protection against electrostatic discharges on every pin is included.

### 3) Other Features

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T1  
BDX53A  
C394  
R17 270

3 7 13  
2

4 TDA7293  
14  
6

PLAY

ST-BY

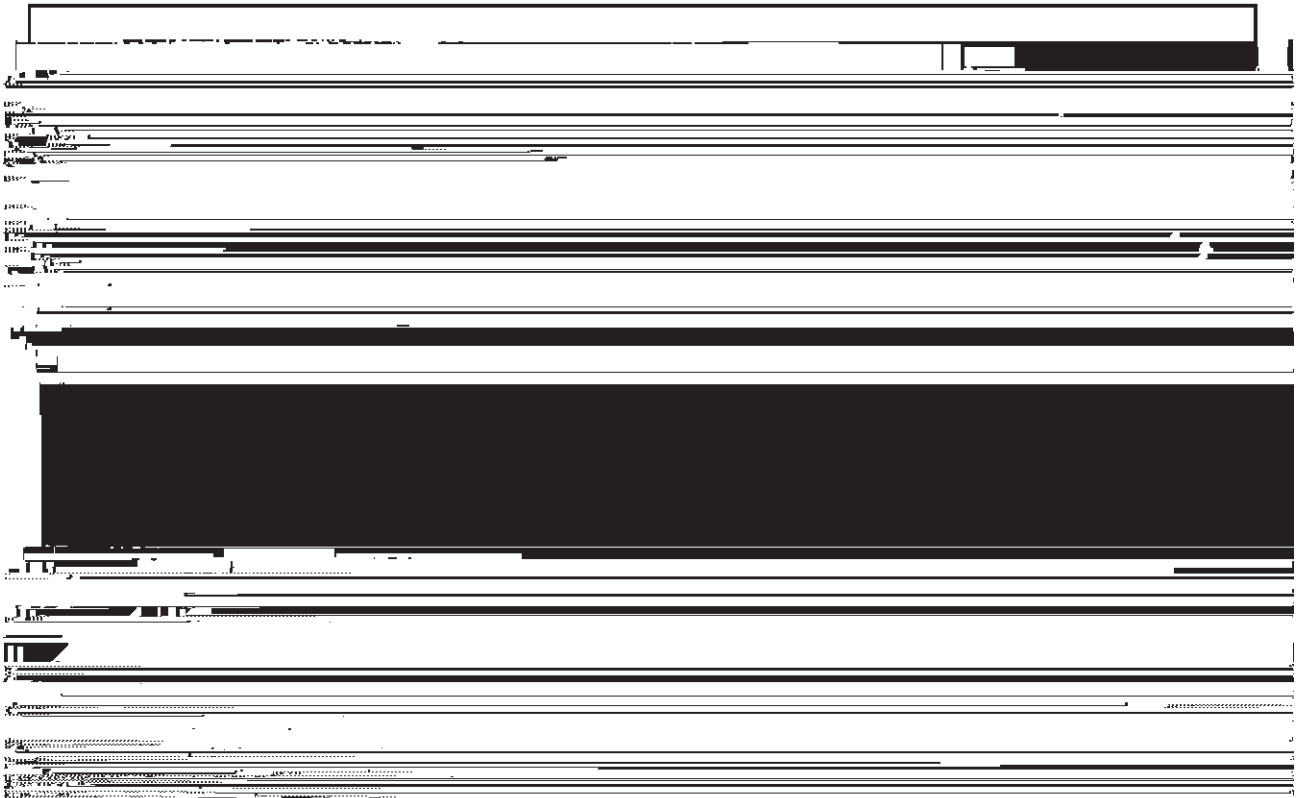
D5  
1N4148

1  
10 8 15

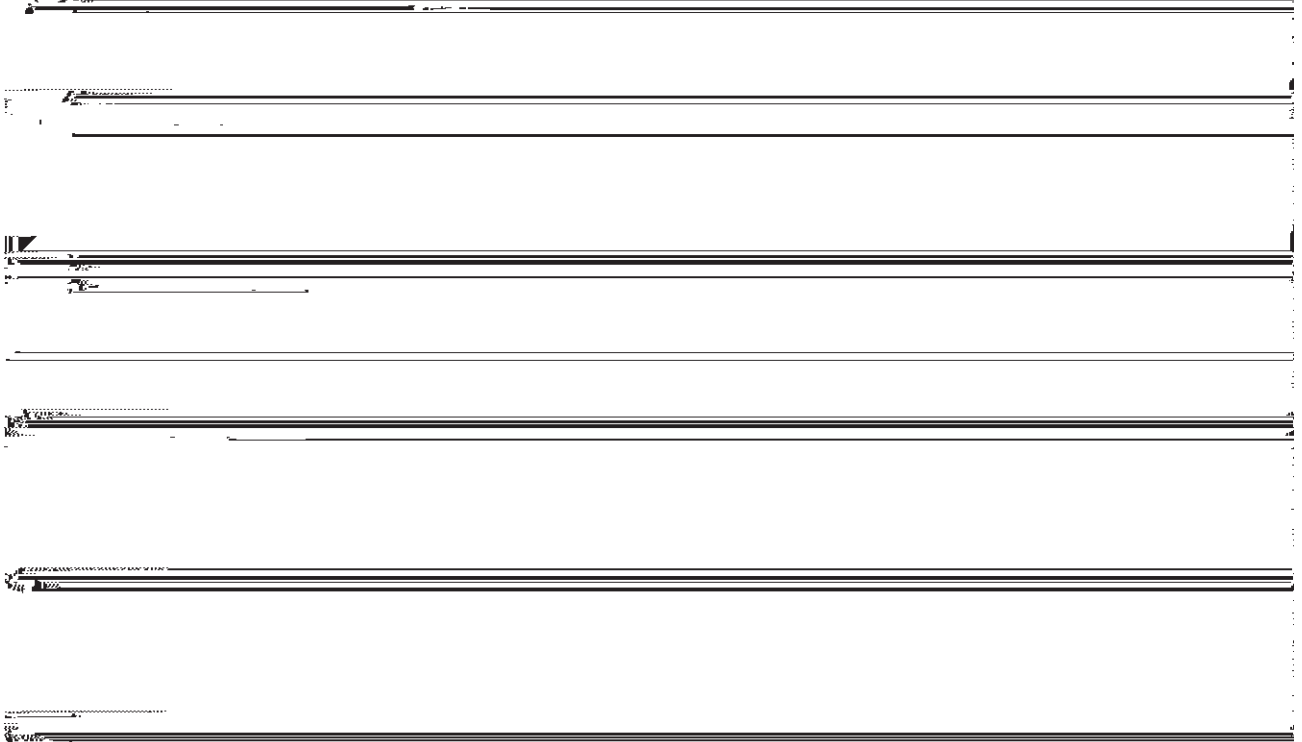




**Figure 8a: Modular Application P.C. Board and Component Layout (scale 1:1) (Component SIDE)**



**Figure 8b: Modular Application P.C. Board and Component Layout (scale 1:1) (Solder SIDE)**







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