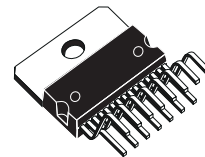


80V - 80W DMOS AUDIO AMPLIFIER WITH MUTE/ST-BY

- VERY HIGH OPERATING VOLTAGE RANGE ($\pm 40V$)
- DMOS POWER STAGE
- HIGH OUTPUT POWER (UP TO 80W MUSIC POWER)
- MUTING/STAND-BY FUNCTIONS
- NO SWITCH ON/OFF NOISE
- NO BOUCHEROT CELLS
- VERY LOW DISTORTION
- VERY LOW NOISE
- SHORT CIRCUIT PROTECTION
- THERMAL SHUTDOWN

MULTIPOWER BCD TECHNOLOGY



Multiwatt 15

ORDERING NUMBER: TDA7295

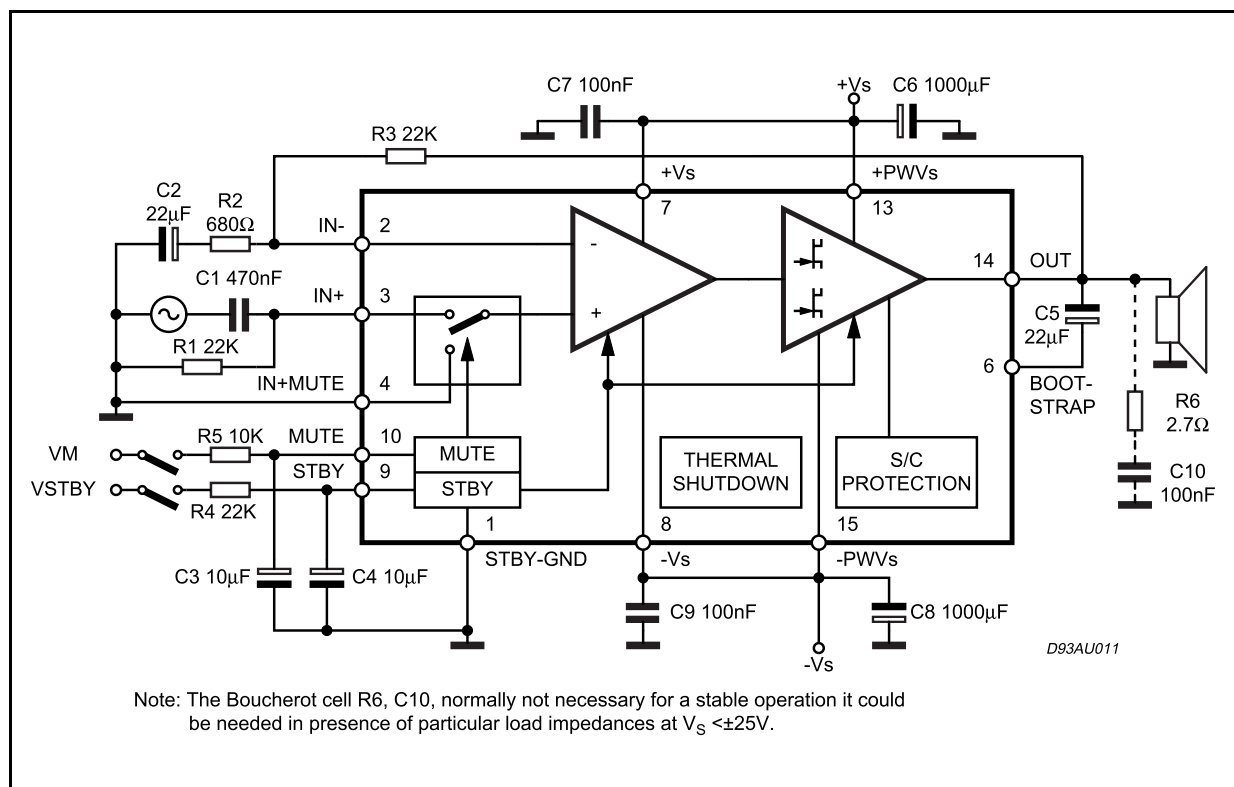
DESCRIPTION

The TDA7295 is a monolithic integrated circuit in Multiwatt15 package, intended for use as audio class AB amplifier in Hi-Fi field applications (Home Stereo, self powered loudspeakers, Top-class TV). Thanks to the wide voltage range and

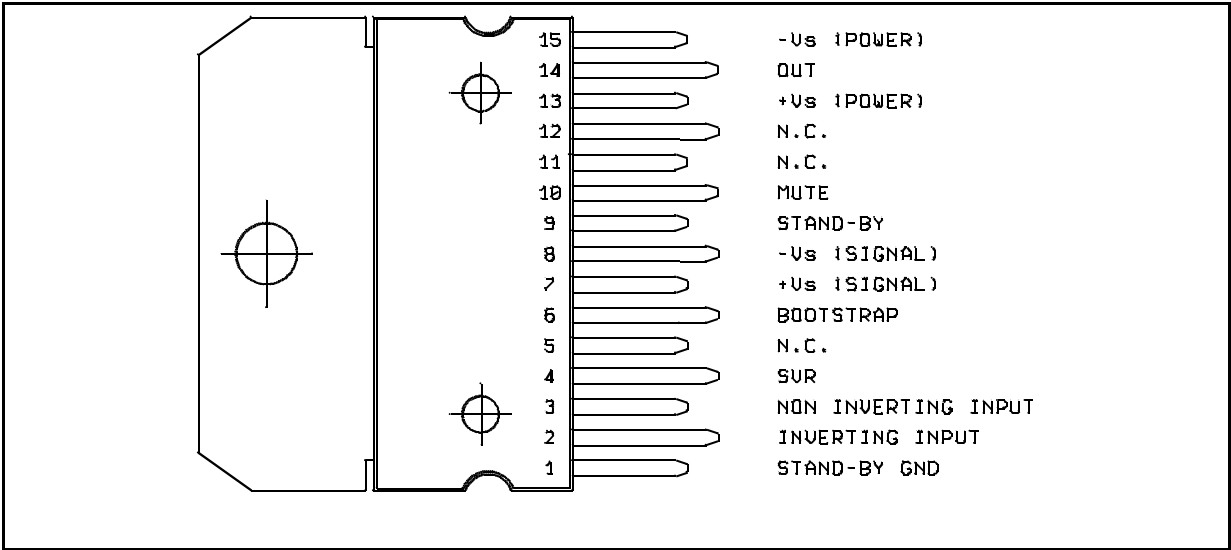
to the high out current capability it is able to supply the highest power into both 4 Ω and 8 Ω loads even in presence of poor supply regulation, with high Supply Voltage Rejection.

The built in muting function with turn on delay simplifies the remote operation avoiding switching on-off noises.

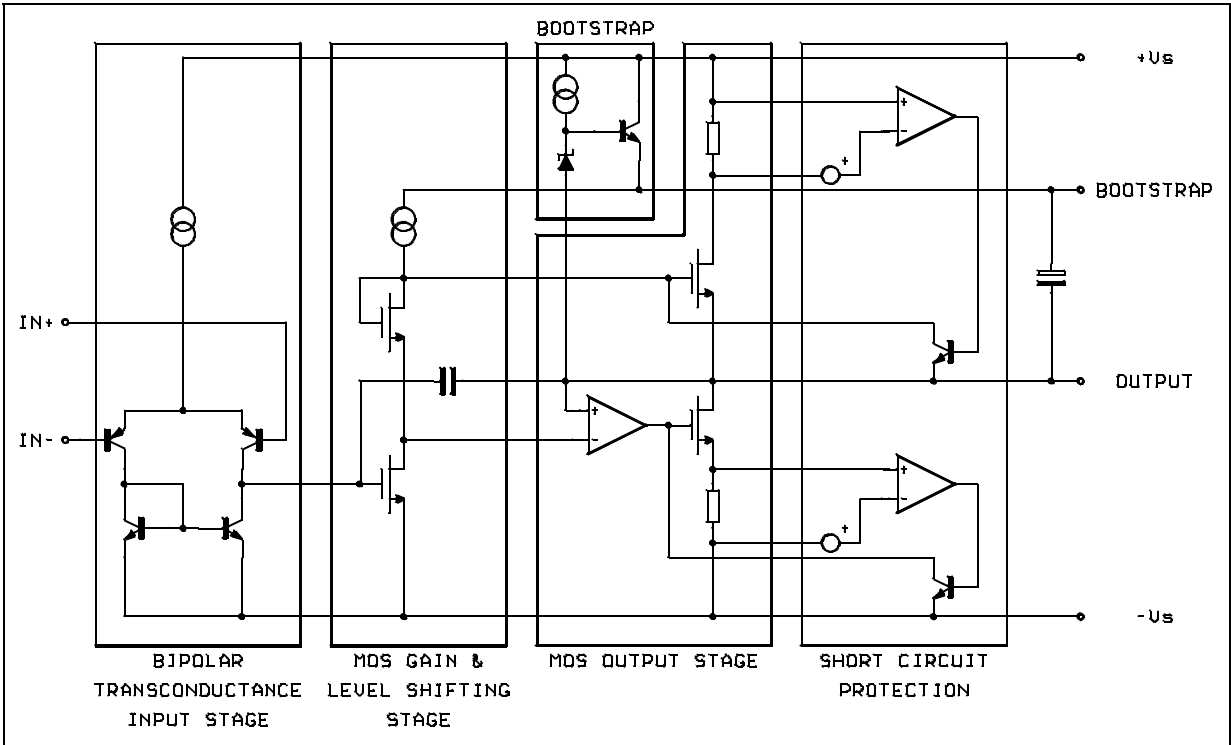
Figure 1: Typical Application and Test Circuit



PIN CONNECTION (Top view)



BLOCK DIAGRAM



ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter	Value	Unit
V _S	Supply Voltage	±40	V
I _O	Output Peak Current	6	A
P _{tot}	Power Dissipation T _{case} = 70°C	50	W
T _{op}	Operating Ambient Temperature Range	0 to 70	°C
T _{stg} , T _j	Storage and Junction Temperature	150	°C