$ βTDA 2030

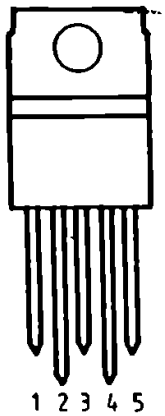
14 W HI - FI AUDIO POWER AMPLIFIER

The βTDA 2030 is a monolithic integrated circuit in pentawatt package, intended for use as a low frequency class AB amplifier. Typically is provides 14 W output power (d = 0.5 %) at +/- 14 V / 4 ohms ; at 14 V the guaranted output power is 12 W on a 4 ohms load and 8 W on a 8 ohms. The βTDA 2030 provides high output current and has very low harmonic and cross-over distorsions. Further the device incorporates a short circuit protection system comprising an arrangement for automatically limiting the dissipated power so as to keep the working poit of the output transistors within their safe operating area. A conventional thermal shut-down system is also included.

Features

- Operating temperature	-25 ...	+70	oC
- Storage temperature	-25 ...	+125	oC
- Supply voltage	max.	+/-18	V
- Quiescent drain current	max.	40	mA
- Input voltage	max.	+/-18	V
- Differential input voltage	max.	+/-15	V
- Output peak current (internally limited) ...	max.	3.5	A
- Distorsion	max.	0.5	%

1. Non-inverting input
2. Inverting input
3. V-
4. Output
5. V+



PACKAGE PENTAWATT / FRONT VIEW

$ Preliminary data