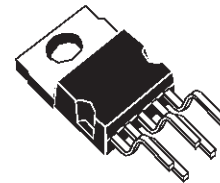


14W Hi-Fi AUDIO AMPLIFIER

DESCRIPTION

The TDA2030 is a monolithic integrated circuit in Pentawatt® package, intended for use as a low frequency class AB amplifier. Typically it provides 14W output power ($d = 0.5\%$) at 14V/4Ω; at $\pm 14V$ or 28V, the guaranteed output power is 12W on a 4Ω load and 8W on a 8Ω (DIN45500).

The TDA2030 provides high output current and has very low harmonic and cross-over distortion. Further the device incorporates an original (and patented) short circuit protection system comprising an arrangement for automatically limiting the dissipated power so as to keep the working point of the output transistors within their safe operating area. A conventional thermal shut-down system is also included.



Pentawatt

ORDERING NUMBERS : TDA2030H
TDA2030V

ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter	Value	Unit
V_s	Supply voltage	± 18 (36)	V
V_i	Input voltage	V_s	
V_i	Differential input voltage	± 15	V
I_o	Output peak current (internally limited)	3.5	A
P_{tot}	Power dissipation at $T_{case} = 90^\circ C$	20	W
T_{stg}, T_j	Storage and junction temperature	-40 to 150	$^\circ C$

TYPICAL APPLICATION

