

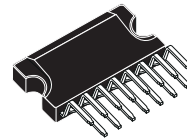


TDA7266SA

7W+7W DUAL BRIDGE AMPLIFIER

- WIDE SUPPLY VOLTAGE RANGE (3.5-18V)
- MINIMUM EXTERNAL COMPONENTS
 - NO SWR CAPACITOR
 - NO BOOTSTRAP
 - NO BOUCHEROT CELLS
 - INTERNALLY FIXED GAIN
- STAND-BY & MUTE FUNCTIONS
- SHORT CIRCUIT PROTECTION
- THERMAL OVERLOAD PROTECTION

TECHNOLOGY BI20II



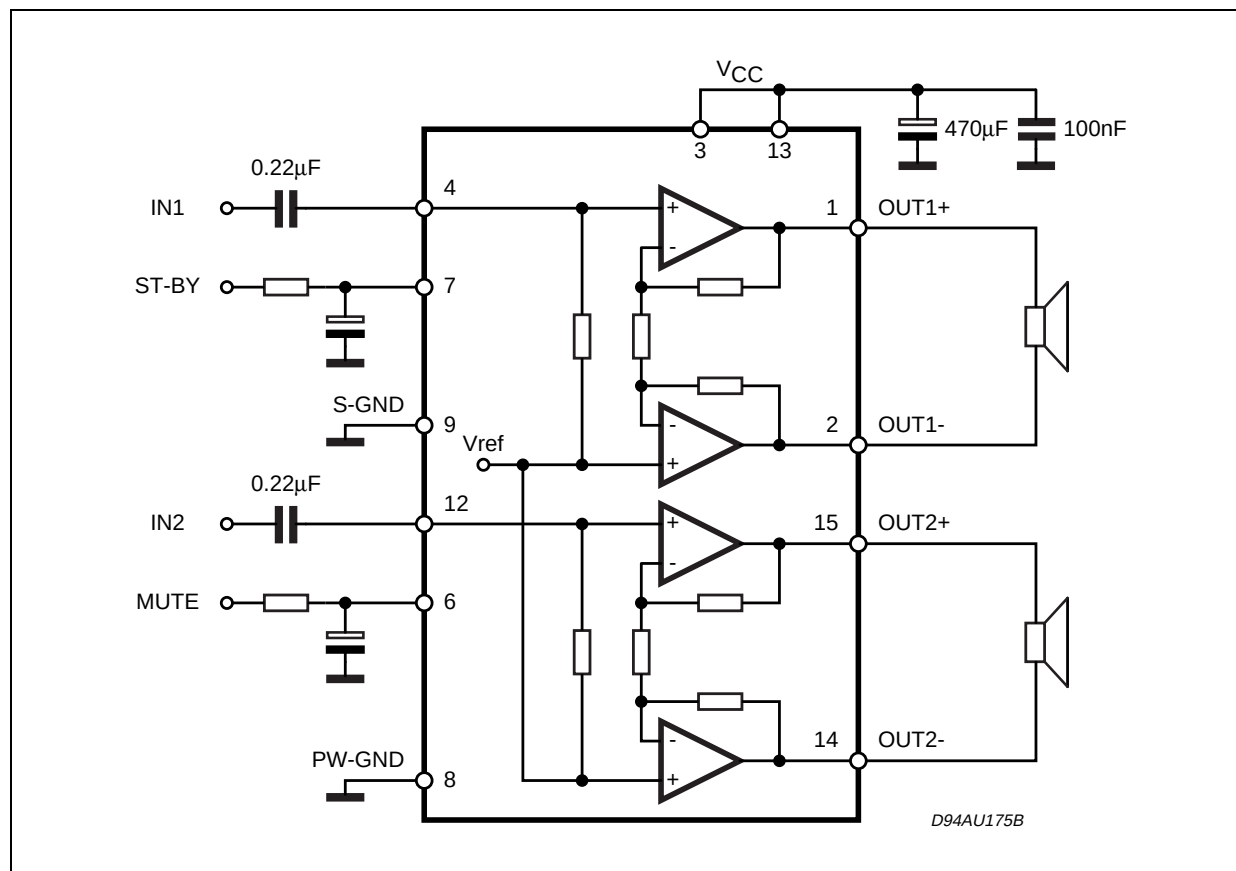
CLIPWATT15
ORDERING NUMBER: TDA7266SA

DESCRIPTION

The TDA7266SA is a dual bridge amplifier specially designed for LCD Monitor, PC Motherboard, TV and Portable Radio applications.

Pin to pin compatible with: TDA7266S, TDA7266, TDA7266M, TDA7266MA, TDA7266B, TDA7297SA & TDA7297.

BLOCK AND APPLICATION DIAGRAM



TDA7266SA

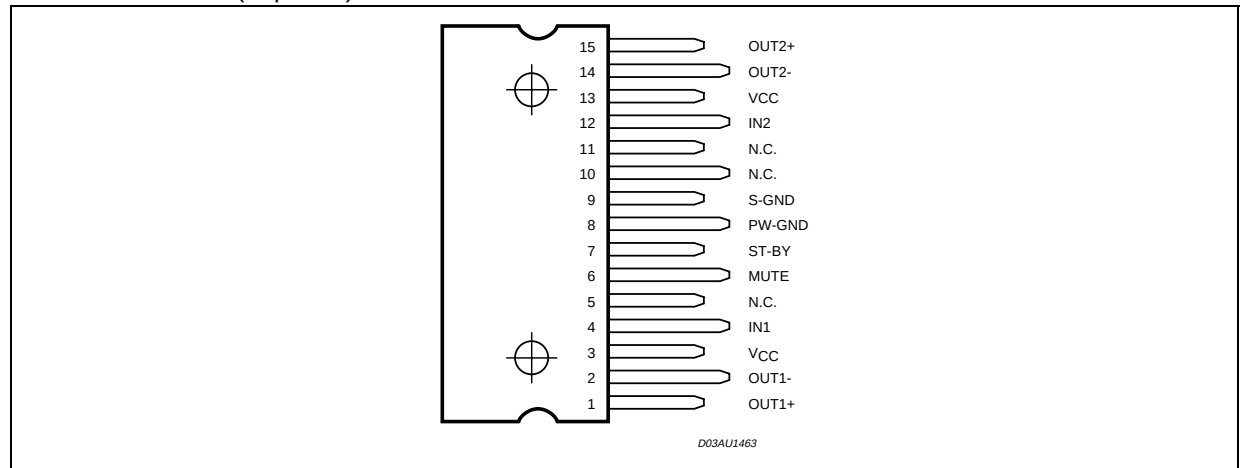
ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter	Value	Unit
V _s	Supply Voltage	20	V
I _O	Output Peak Current (internally limited)	2	A
P _{tot}	Total Power Dissipation (T _{amb} = 70°C)	20	W
T _{op}	Operating Temperature	0 to 70	°C
T _{stg} , T _j	Storage and Junction Temperature	-40 to 150	°C

THERMAL DATA

Symbol	Parameter	Value	Unit
R _{th j-case}	Thermal Resistance Junction-case	Typ = 1.8; Max. = 2.5	°C/W
R _{th j-amb}	Thermal Resistance Junction-ambient	48	°C/W

PIN CONNECTION (Top view)



ELECTRICAL CHARACTERISTICS

(V_{CC} = 11V, R_L = 8Ω, f = 1KHz, T_{amb} = 25°C unless otherwise specified)

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Unit
V _{CC}	Supply Range		3	11	18	V
I _q	Total Quiescent Current			50	65	mA
V _{OS}	Output Offset Voltage				120	mV
P _O	Output Power	THD 10%	6.3	7		W
THD	Total Harmonic Distortion	P _O = 1W		0.05	0.2	%
		P _O = 0.1W to 2W f = 100Hz to 15KHz			1	%
SVR	Supply Voltage Rejection	f = 100Hz, VR = 0.5V	40	56		dB
CT	Crosstalk		46	60		dB
A _{MUTE}	Mute Attenuation		60	80		dB
T _w	Thermal Threshold			150		°C
G _V	Closed Loop Voltage Gain		25	26	27	dB
ΔG _V	Voltage Gain Matching				0.5	dB