

KIT 88. 10W + 10W STEREO AMPLIFIER

The TDA2009 is a class AB dual hi-fi audio power amplifier designed for quality stereo applications. It has a minimum of external components. This is the data book test circuit. It gives an excellent sound. The supply voltage range for this kit is 8V to 22V.

The kit is constructed on single-sided printed circuit boards. Protel Autotrax & Schematic were used.

Construction. Add the lowest height components to the board first - the resistors. Be careful to get the electrolytic capacitors in the correct way around and in their correct positions. Use some heat sink compound between the heat sink & the IC if you have some.

Operation. The maximum supply voltage for this Kit is 28V. We found no trouble in getting this module to work. If it does not work check the component positions and orientation.

You may download the full data sheet for the TDA2009 from

www.st.com

COMPONENTS

Resistors 1/2W, 5%:		
1K2 brown red red	R1 R3	2
1R brown black gold	R5 R6	2
18R brown grey black	R2 R4	2
Electrolytic capacitors:		
3u3 50V mini	C1 C2	2
22uF 16V	C3	1
100uF 35V	C5	1
220uF 10V	C6 C7	2
2.2 mF 35V	C10 C11	2
Mylar capacitors:		
100nF 104	C4 C8 C9	3
2 pole terminal block		1
3 pole terminal block		2
TDA2009		1
Heat sink HS110		1
Nut & bolt set		1
K88 PCB		1

