

TAA611B12 Audio Amplifier

REFERENCE TABLE

Code	Stock No.
TAA611B12	19190X

DESCRIPTION

The TAA611B is a monolithic integrated circuit particularly designed for use in radio receivers, record players and portable TV sets as audio amplifier. The usable range of supply voltage varies from 6 to 15V. Special features of the circuit include low quiescent current, self-centering bias and direct coupling of the input. The circuit requires a minimum number of external components. The package is a special plastic DIP with a copper bar inserted in the plastic which ensures low thermal resistance.

ABSOLUTE MAXIMUM RATINGS

Maximum operating supply voltage	15V
Input voltage (see note)	-0.5V to +15V
Peak output current	1A
Storage temperature	-55°C to +125°C
Operating temperature range	0°C to +70°C
Max. junction temperature	125°C
Power dissipation $T_A \leq 25^\circ\text{C}$	1.07W
Thermal resistance J-A	93°C/W

Note: For supply voltages less than 15V, the absolute max. input voltage is equal to the supply voltage.

OUTPUT POWER as a function of Supply Voltage and Loading Conditions

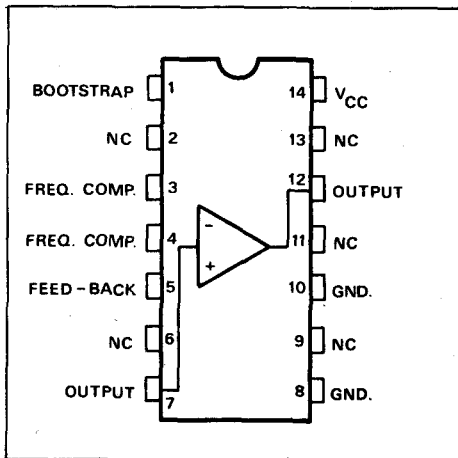
(Typical values at ambient temperature $T_A = 25^\circ\text{C}$)

V_{CC} (V)	R_L (Ω)	Pout (W) at Clipping)	Pout (W) at THD = 10%
9	8	0.9	1.15
12	8	1.7	2.1

FEATURES

- Output Power 2.1W
- Low Distortion
- Low Quiescent Current
- Self Centering Bias
- High Input Impedance

CONNECTION DIAGRAM



For dimensions see outline drawing No. 102

7