

BIPOLAR ANALOG INTEGRATED CIRCUIT

 μ PC1316

DUAL AUDIO POWER AMPLIFIER

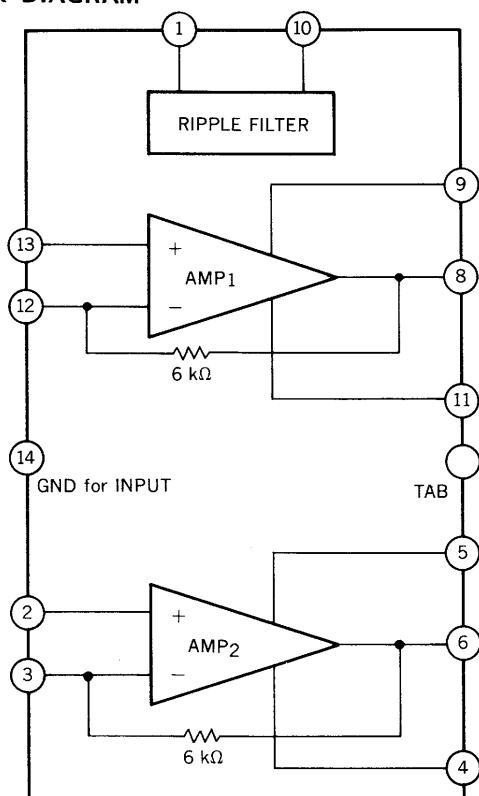
DESCRIPTION

The μ PC1316 is a dual audio power amplifier designed for portable audio sets.

FEATURES

- Wide operating voltage range. $V_{CC} = 3$ to 16 V
- High output power. $P_O = 2$ W TYP. @ 12 V / $8\ \Omega$ / 10 %
 $P_O = 1.6$ W TYP. @ 9 V / $4\ \Omega$ / 10 %
 $P_O = 1.2$ W TYP. @ 9 V / $8\ \Omega$ / 10 %
 $P_O = 0.7$ W TYP. @ 6 V / $4\ \Omega$ / 10 %
 $P_O = 0.5$ W TYP. @ 6 V / $8\ \Omega$ / 10 %
 $P_O = 80$ mW @ 4.5 V / $32\ \Omega$ / 10 %
 (V_{CC} / R_L / THD)
- High supply voltage rejection. SVR = 45 dB
- Low quiescent current. $I_{CC} = 12$ mA
- Low pop noise at power switch on and off.

BLOCK DIAGRAM



CONNECTION DIAGRAM

PIN NO	CONNECTION
1	Filter
2	Input 2
3	NFB 2
4	Compensation 2
5	Bootstrap 2
6	Output 2
7	NC
TAB	GND
8	Output 1
9	Bootstrap 1
10	V_{CC}
11	Compensation 1
12	NFB 1
13	Input 1
14	GND