

MA1221

Headphone Amplifier with Class-G

TARGET SPECIFICATION

R005

Confidential



GENERAL

This document contains detailed target specifications for the MA1221 Class-G headphone amplifier.

FEATURES

- **Functional Descriptions**

- High Efficiency Stereo Class-G Headphone Amplifier
 - ✓ 108dB SNR for 32ohm, 112dB SNR for 600ohm @THD+N 1%
 - ✓ Max 2Vrms output voltage for 600ohm drive
 - ✓ Single power supply operation (2.45V ~ 3.0V)
 - ✓ Capacitor-free output drives with an integrated charge pump for a negative supply rail
 - ✓ Class-G operation for high operational power efficiency
 - ✓ Click and pop suppression

- **Applications**

- Mobile audio products
- Wireless audio productst
- Flat panel TVs

ORDERING INFORMATION

Customer Code	Internal Code	Package	Marking	Operating Temperature
TBD	MA1221X-001	14-TSSOP	TBD	-40 to 85 °C
TBD	MA1221X-002	16-QFN-0303	TBD	-40 to 85 °C

BLOCK DIAGRAM

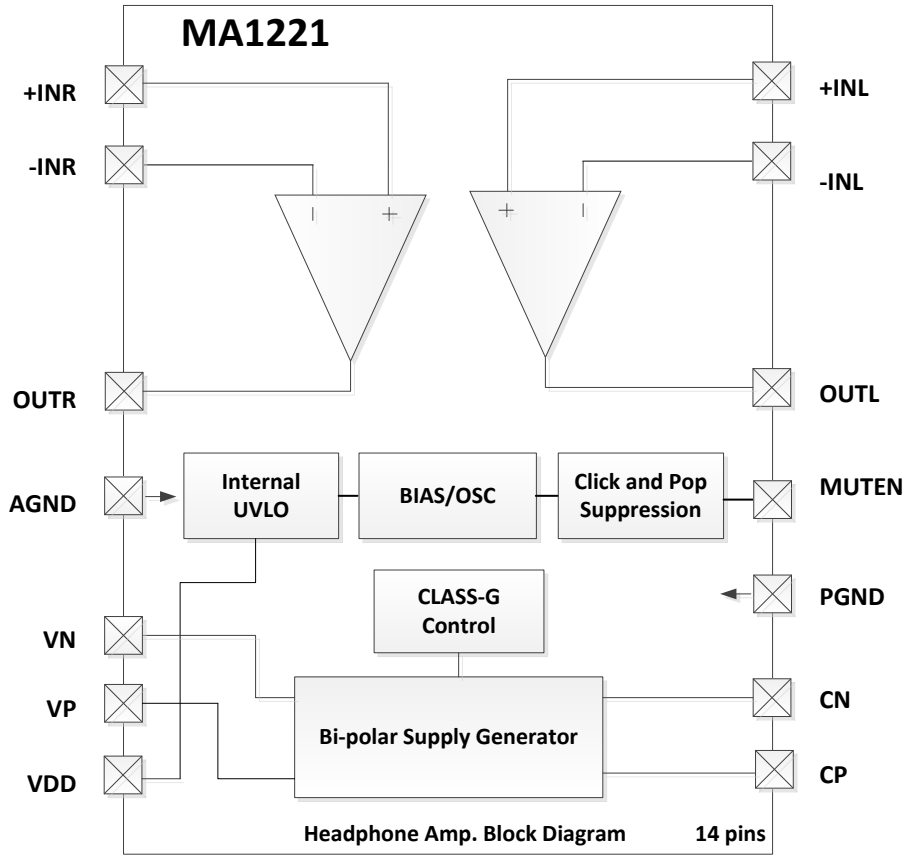


Figure 1. MA1221 Block Diagram