

DATASHEET

MCA-1248: 12 Channel Audiophile Quality Amplifier



Dimensions: 17" W x 4" H
x 10.5" D

Weight: 10 lbs. Approx.

Signal-to Noise

Ratio: >100 dB

Dynamic Range: >100 dB

Freq. Response: 20 Hz to
20 kHz

Power: 110V AC

Continuous Power: 48
Watts per channel

Peak Power: 90 Watts per
channel

Image: both front and back
of amplifier shown

The MCA-1248 multi-channel amplifier produces a big, luxurious sound yet is so efficient that it doesn't require a heat sink or a ventilating fan. The small yet powerful package delivers true a high fidelity performance that surpasses the quality of amplifiers ten times its size and weight. At only ten pounds and a two-rack unit height, it is by far the most compact and efficient amplifier in its class.

The robust design of the MCA-1248 provides extremely clean state-of-the-art power. The MCA-1248 produces unexpected sound depth and musical clarity. The unit accepts any volume controlled line level input and uses a quiet and efficient 110V AC power supply. Advanced protection circuitry guards against system damage from overload, overheating, or short circuits.

Pragmatic offers high quality digital amplifiers that contain numerous advantages over the competition. A Pragmatic amplifier boasts high efficiency and clock frequency. It also has very linear gain and phase characteristics. The amplifier has a flat frequency response from 20 Hz to 20 kHz. There is no ripple in the pass band and very low change in distortion versus out power levels (usually between 0.01 and 0.05%). It maintains very low and uniform distortion on all frequencies and very high signal-to-noise ratio and dynamic range.

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Pragmatic Communications Systems, Inc.

2934 Corvin Drive, Santa Clara, CA 95051, USA

Tel. (408) 735 0300

Fax. (408) 735 0800

www.pragmatic1.com

Applications:

Ideal for multi-room audio,
bi-amplified speakers
and home audio systems

Features and Benefits:

Compact and lightweight
design
Musical clarity and sound
depth
No heat sink or ventilating
fan
Accepts line-level input
Advanced protection
circuitry guards
High clock frequency

Very linear gain and phase
characteristics
Flat frequency response
from 10 Hz to 50 kHz
No ripple in the pass band
Very high signal-to-noise
ratio
Very high dynamic range
Very low change in
distortion versus output
power levels

Architect Specifications

The unit shall consist of one compact multi-channel amplifier that measures 17" W x 4" H x 10.5" D and weigh approximately 10 pounds. Its signal to noise ration shall be greater than 100 dB and its dynamic range shall also be greater than 100 dB. The frequency response shall be 20 Hz to 20 kHz. Its power shall only use 110V AC. Its continuous power shall be 48 Watts per channel and its peak power shall be 90 Watts per channel.

The preamplifier shall be a Pragmatic MCA-1248 Ultra High Performance 12-Channel Audiophile Quality Amplifier.

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