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Open frame power amplifier

PS125-35-224

PS125-30-22

PS125-25-21



shown here is: PS125-25-21

PS125 Open Frame Power Amplifier

Rugged power amplifier for audio and instrumentation.
Balanced or Single ended inputs.
100 Watt RMS.
Toroidal power transformer.
Large 27,000uF filter capacitance.
1 or 2 amplifiers.
Heavy duty open frame construction.
Uses PM21 or PM224 modules.
Dimensions 13" x 6" x 3".
Custom modifications available.

The PS125 power amplifier series provide high quality power amplifier in an economical and rugged construction. The unit has a toroidal power transformer and linear rectifier unit mounted in a heavy duty aluminum chassis that acts as the heat sink for the power amplifier.

The PM224 module is a MOSFET single amplifier. The PM21 is a dual integrated circuit amplifier. The PS125 uses a heavy duty 160VA toroidal power transformer. The PS125 is ideal for OEM applications, powered amplifiers, for driving precision servo motors, instrumentation and so on. The amplifiers are short circuit protected, and also have thermal protection, making these units almost indestructible. Typical power bandwidth of the amplifiers is DC to 25KHz. The amplifiers all have differential inputs that can be used with a unbalanced or balanced source. ;An internal jumper selects between AC or DC coupling. Typical harmonic distortion is 0.01% or less. Typical load capability of the amplifiers is 8 Ohm, but the amps are stable with any load. For other load requirements consult factory.

Model Number	Module Installed	RMS Power 8 Ohm load
PS125-35-224	PM224 MOSFET	100
PS125-30-22	PM22 Darlington	75
PS125-25-21	PM21 IC	50 + 50

Installation Instructions

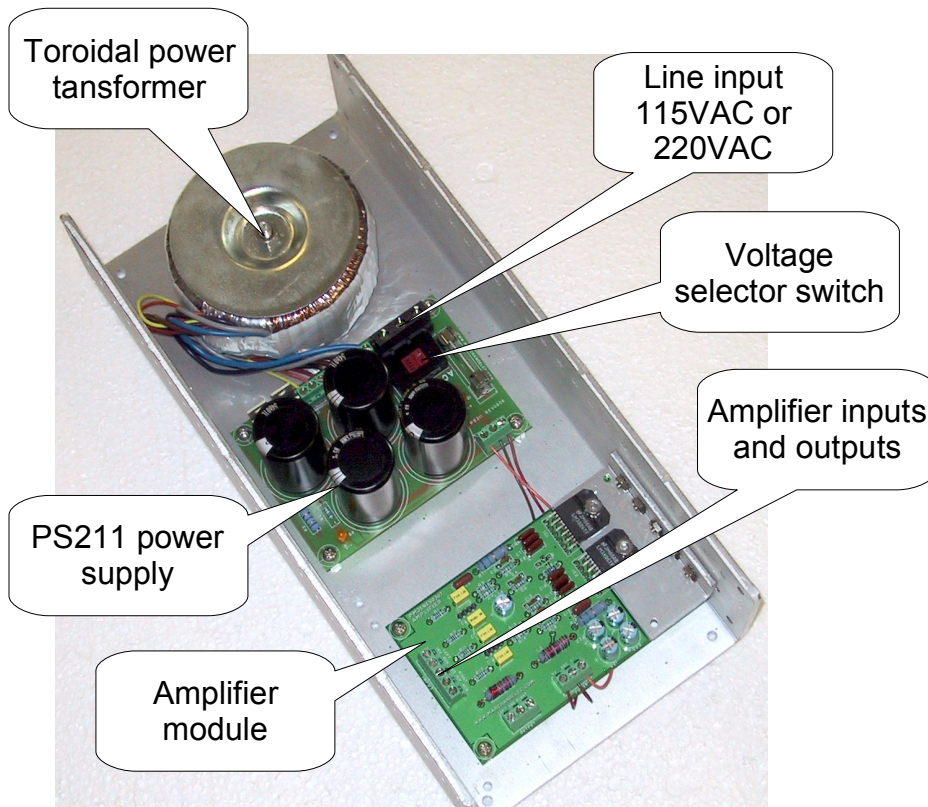
Connect the 120VAC/220VAC line voltage to the 3-position terminal block. The fuse is located on the PS211 power supply board. Typically a 2A or 3A slow-blow fuse will provide protection.

The GND terminal of the 3-position terminal block is connected to the aluminum frame. There is a 2400 Ohm resistor from DC ground to the aluminum frame. This resistor is R3 on the circuit board and can be removed

Connect source and load to the amplifier module according to the instructions in the manual for the amplifier module.

The aluminum frame acts as a heatsink for the amplifier output transistors. Allow for adequate ventilation.

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Shown here is:
PS125-35-224



Parts list

1	Transformer, 160VA
1	Transformer mounting hardware.
1	PS211 power supply
1	PMxxx, power amplifier module
6	6-32x1/2" standoff
6	6-32x3/8" flathead
6	6-32x1/4" panhead
7	6-32x1/2" flathead
7	6-32 kepsnut
1	wire #24, black
1	wire #24, red
1	wire #24, orange