

# P35 Series VHF Power Amplifier

## General Specifications

### 150-174 MHz 350 Watts Output Power

- Frequency Range: 150-174 MHz
- Duty Cycle: 100%
- FM/constant envelope modulation
- Operating Voltage: 110 or 220 VAC
- Current Consumption: 10 A (max) @ 110 VAC
- Spurious & harmonics exceeds FCC requirements
- Input/output Impedance: 50 ohms (Nominal)
- Load VSWR Tolerance: full power, sustained operation 1:5:1 or better, VSWR protected above 2:5:1
- Indicator LEDs: power on, exciter drive, high temp, high VSWR, high input, low output
- Input/output Connector: type 'N' female
- DB15 includes alarm and status pins, power control, and Form C relay output
- Internal isolator included
- Cooling Method: fan forced air over heat sink
- Operating Temp Range: -30°C to +60°C
- Storage and Transport Temp: -40°C to +70°C
- Humidity: 80% at +40°C (non-condensing)



### Power Input/output Range

Model Description*	Required Power Input
P35-5E3-PS(2)-C8-001	5-10 W
P35-10E3-PS(2)-C8-001	10-20 W
P35-20E3-PS(2)-C8-001	20-50 W
P35-50E3-PS(2)-C8-001	50-100 W

- Power Output: 350 Watts, set at factory for all models listed above

### Dimensions and Weight

- Dims: 5.25”H x 20”D x 19” W
- Weight: 35 lbs

### Optional Features Available

- 220 VAC operating voltage

Rev C

*These are preliminary specifications and are subject to change. Patents applied for.*



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