

# P25 Series UHF Power Amplifier

## General Specifications

### UHF 250 Watts Output Power

- Frequency Range: 406.1-420 MHz (GA); 450-454 MHz, 456-462.5375 MHz, 462.7375-467.5375 MHz, 467.7375-470 MHz (HA)
- Operating Voltage: 110 VAC
- Duty Cycle: 100%
- FM/constant envelope modulation
- Current Consumption: 10 A (max) @ 110 VAC
- Spurious & harmonics exceeds FCC specifications
- 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 input
- 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	Frequency	Required Power Input
P25-10GA3-PS(x)-C8-001	406.1-420 MHz	10-20 W
P25-20GA3-PS(x)-C8-001	406.1-420 MHz	30-40 W
P25-R2HA3-PS(x)-C8-001	450-470 MHz	0.2-0.5 W
P25-R5HA3-PS(x)-C8-001	450-470 MHz	0.5-1 W
P25-1HA3-PS(x)-C8-001	450-470 MHz	1-2 W
P25-2HA3-PX(x)-C8-001	450-470 MHz	2-5W
P25-5HA3-PS(x)-C8-001	450-470 MHz	5-10 W

Note: x=1 denotes 110 VAC, x=2 denotes 220 VAC

- Power Output: 250 Watts, set at factory, with power control for all models listed above

### Dimensions and Weight

- Dims: 5.25" H x 20" D x 19" W
- Weight: 25 lbs.

### Optional Features Available

- 220 VAC operating voltage

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



**Headquarters**  
100 High Grove Blvd.  
Glendale Heights, IL 60139  
P 847 908 5400  
F 847 908 5408

**Defense Solutions**  
1803 Mt. Rose Ave., Bldg. B  
York, PA 17403  
P 717 235 5474  
F 717 227 4444

www.crescendrf.com  
sales@crescendrf.com