

P5 Series - 50W UHF



General Specifications

- Frequency Range: 403-450 MHz (UL) 450-512 MHz (UH)
- 50 Watts Output Power
- Input Power – set at the factory – see the table below
- Spurious & harmonics meet FCC requirements
- Input/output Impedance: 50 Ohm
- Input/Output RF Connectors: type 'N' female
- Operating Voltage: 13.8 VDC (nominal)
- DC Current: 11 A (nominal); 13 Amperes (maximum)
- DC Connector: terminal block, screws # 6-32
- Load VSWR protection; overheat protection
- Cooling Method: fan forced air over heat sink; fan is on with RF signal or/and overheat
- Indicator LEDs: DC on, low output, high VSWR, high temperature
- Control/Monitoring connectors: power setup, common alarm signal
- Operating Temp Range: -30°C to +60°C
- Storage and Transport Temp: -40°C to +70°C
- Humidity: 80% at +40°C (non-condensing)
- Altitude: 10,000 ft. maximum

Power Input/output Range

Model Description*	Required Power Input
P5-R1XX1-C5-001	100-200 mW
P5-R2XX1-C5-001	200-500 mW
P5-R5XX1-C5-001	500 mW – 1 W
P5-1XX1-C5-001	1-2 W
P5-2XX1-C5-001	2-5 W
P5-5XX1-C5-001	5-10 W
P5-10XX1-C5-001	10-20 W

*XX-Insert the letter definition for the frequency range chosen

Dimensions and Weight

- Dimensions: 7”H x 6”D x 19”W
- Weight: 10 lbs. nominal
- 19” Rack Mount

Optional Features Available

- By-Pass Circuits
- T/R Switch
- Power Supply

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