



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 A (maximum)
- DC Connector: terminal block, screws # 6-32
- Load VSWR protection; overheat protection
- Indicator LEDs: DC on, low output, high VSWR, high temperature
- Control/Monitoring Connectors: power setup, common alarm signal
- Cooling Method: fan forced air over heat sink; fan is on constantly
- 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-R1XX-C7-001	100-200 mW
P5-R2XX1-C7-001	200-500 mW
P5-R5XX1-C7-001	500 mW – 1 W
P5-1XX1-C7-001	1-2 W
P5-2XX1-C7-001	2-5 W
P5-5XX1-C7-001	5-10 W
P5-10XX1-C7-001	10-20 W

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

Dimensions and Weight

- Dimensions: 7”H x 19”D x 3.4” W
- Weight: 10 lbs. nominal

Optional Features Available

- FPR-5 Rack

These are preliminary specifications and are subject to change.

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