

P10 Series - 100W UHF



General Specifications

- Frequency Range: 403-450 MHz (UL) 450-512 MHz (UH)
- 100 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: 21 A (nominal); 26 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
P10-R1XX1-C5-001	100-200 mW
P10-R2XX1-C5-001	200-500 mW
P10-R5XX1-C5-001	500 mW – 1 W
P10-1XX1-C5-001	1-2 W
P10-2XX1-C5-001	2-5 W
P10-5XX1-C5-001	5-10 W
P10-10XX1-C5-001	10-20 W
P10-20XX1-C5-001	20-50 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
- T/R Switch
- Power Supply

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



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