

VHF P25 Series - 250W 48VDC

General Specifications

- Frequency Range: 136-174 MHz (DE)
- 250 W Output Power
- [150-250 W customer setup range](#)
- Input Power – set at the factory – see the table below
- Spurious & harmonics meet FCC requirements
- [Keying time 400 us \(typical\)](#)
- Input/output Impedance: 50 Ohm
- Input/Output RF Connectors: type 'N' female
- Operating Voltage: 48 VDC (nominal)
- DC Current 10.5 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, when DC supply voltage is applied
- 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
P25-R1DE4-C5-001	100-200 mW
P25-R2DE4-C5-001	200-500 mW
P25-R5DE4-C5-001	500 mW – 1 W
P25-1DE4-C5-001	1-2 W
P25-2DE4-C5-001	2-5 W
P25-5DE4-C5-001	5-10 W
P25-10DE4-C5-001	10-20 W
P25-20DE4-C5-001	20-50 W

Dimensions and Weight

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

Optional Features Available

- By-Pass
- T/R Switch

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



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