



P25 Series VHF Low Band

30-50 MHz 250 Watts Output Power

| | |
|-------------------------|---|
| Frequency Range: | 3 Ranges: 30-36 MHz (AA), 36-42 MHz (AB), 42-50 MHz (AC). |
| Operating Voltage: | 13.8 VDC |
| Current Draw: | 42 Amperes (Max) |
| Duty Cycle: | 100% |
| Power Input: | See chart below |
| Power Output: | 250 Watts, set factory |
| Spurious & Harmonics: | Meets FCC Requirements |
| Input/Output Impedance: | 50 ohms (Nominal) |
| Load VSWR Tolerance: | See chart below |
| Input/Output Connector: | Type 'N' Female |
| Cooling Method: | Fan Forced Air Over Heat Sinks |
| Operating Temp. Range: | -30° C to +60° C |
| Storage & Transport: | -40° C to +70° C |
| Humidity: | 80% at +40° C (non-condensing) |
| Altitude: | 10,000 feet maximum |

SIZE

| | |
|----------------------|-------------------|
| Vertical Mounting: | 10.5" |
| Horizontal Mounting: | 19.0" |
| Depth: | 6.0" |
| Weight: | 25 pounds nominal |

POWER INPUT RANGE

| <u>Model Description</u> | <u>Required Power In</u> | <u>Power Output</u> |
|--------------------------|--------------------------|---------------------|
| P25-2R5XX1-C1-001 | 2.5-5 W | 250 W |
| P25-5XX1-C1-001 | 5-10 W | 250 W |
| P25-10XX1-C1-001 | 10-20 W | 250 W |
| P25-20XX1-C1-001 | 20-50 W | 250 W |

LOAD MISMATCH TOLERANCE

| | |
|--------------------------------------|-----------------|
| Full Power, Sustained Operation | 1.5:1 or better |
| Sustained Operation at Reduced Power | 2.5:1 |

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These specifications are subject to change without notice.

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