



## P9 Series 800 MHz

### 850-870 MHz - 80 Watts Output Power

|                         |  |
|-------------------------|--|
| Frequency Range:        | 850-870 MHz                                |
| Operating Voltage:      | +13.8 VDC                                  |
| Current Draw:           | 23 Amperes (Max)                           |
| Duty Cycle:             | 100%                                       |
| Power Input:            | See chart below                            |
| Power Output:           | 80 Watts, set at factory                   |
| Spurious & Harmonics:   | Meets FCC Requirements                     |
| Input/Output Impedance: | 50 ohms (Nominal)                          |
| Load VSWR Tolerance:    | VSWR Protected                             |
| Indicator LEDs:         | DC On, Low Output, High VSWR, High Temp    |
| Alarm:                  | Summary Alarm Pin                          |
| Input/Output Connector: | Type 'N' Female                            |
| Cooling Method:         | Fan Forced Air Over Heat sinks             |
| Operating Temp. Range:  | -30 <sup>0</sup> C to +60 <sup>0</sup> C   |
| Storage & Transport:    | -40 <sup>0</sup> C to +70 <sup>0</sup> C   |
| Humidity:               | 80% at +40 <sup>0</sup> C (non-condensing) |
| Altitude:               | 10,000 feet maximum                        |

### SIZE

|                      |                   |
|----------------------|-------------------|
| Vertical Mounting:   | 7.0"              |
| Horizontal Mounting: | 19.0"             |
| Depth:               | 6.0"              |
| Weight:              | 10 pounds nominal |

### POWER INPUT RANGE

| <u>Model Description</u> | <u>Required Power In</u> | <u>Power Output</u> |
|--------------------------|--------------------------|---------------------|
| P9-R1K1-C5-001           | 100-200 mW               | 80 W                |
| P9-R2K1-C5-001           | 200-500 mW               | 80 W                |
| P9-R5K1-C5-001           | 500 mW-1 W               | 80 W                |
| P9-1K1-C5-001            | 1-2 W                    | 80 W                |
| P9-2K1-C5-001            | 2-5W                     | 80 W                |
| P9-5K1-C5-001            | 5-10 W                   | 80 W                |
| P9-10K1-C5-001           | 10-20 W                  | 80 W                |
| P9-20K1-C5-001           | 20-50 W                  | 80 W                |

***Cables sold separately. Power supplies are also available for these units.  
See price list at end of catalog for more information.***