



P8 Series 700/800 MHz

764-870 MHz - 80 Watts Output Power

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|-------------------------|---|
| Frequency Range: | 764-870 MHz |
| Operating Voltage: | +13.8 VDC |
| Current Draw: | 24 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 (Open Collector, LOW when Alarm) |
| Input/Output Connector: | Type 'N' Female |
| Cooling Method: | Fan Forced Air Over Heat sinks |
| Operating Temp. Range: | -30 ⁰ C to +60 ⁰ C |
| Storage & Transport: | -40 ⁰ C to +70 ⁰ C |
| Humidity: | 80% at +40 ⁰ 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> |
|--------------------------|--------------------------|---------------------|
| P8-R1JK1-C5-001 | 100-200 mW | 80 W |
| P8-R2JK1-C5-001 | 200-500 mW | 80 W |
| P8-R5JK1-C5-001 | 500 mW-1 W | 80 W |
| P8-1JK1-C5-001 | 1-2 W | 80 W |
| P8-2JK1-C5-001 | 2-5W | 80 W |
| P8-5JK1-C5-001 | 5-10 W | 80 W |
| P8-10JK1-C5-001 | 10-20 W | 80 W |
| P8-20JK1-C5-001 | 20-50 W | 80 W |

*** XX-Insert the letter definition for the frequency range chosen
By-Pass Circuits, T/R Switch and Power supplies are available.
Please call for Details.**