



## Model P15-XXK1-C1

### 850-870 MHz 150 Watts Output Power

Frequency Range:	850-870 MHz
Operating Voltage:	13.8 VDC
Current Draw:	24-35 Amperes (Typical)
Duty Cycle:	100%
Power Input:	See Chart
Power Output:	150 Watts
Power Adjustment Range:	-3 dB (Typical)
Spurious & Harmonics:	-65 dBc
Input/Output Impedance:	50 ohms (Nominal)
Load VSWR Tolerance:	See Chart
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:	10.5"
Horizontal Mounting:	19.0"
Depth:	6.0"
Weight:	20 pounds nominal

### POWER INPUT RANGE

Model Description	Required Power In	Power Output
P15-R2K1-C1	250-500 mWatts	150 Watts
P15-R5K1-C1	500 Mw-1 Watt	150 Watts
P15-1K1-C1	1-2 Watts	150 Watts
P15-2K1-C1	2-5 Watts	150 Watts
P15-5K1-C1	5-10 Watts	150 Watts
P15-10K1-C1	10-20 Watts	150 Watts
P15-20K1-C1	20-50 Watts	150 Watts

**CAUTION: Do not exceed maximum input power rating!**

### LOAD MISMATCH TOLERANCE

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