



## P15 Series 800 MHz

### 850-870 MHz - 150 Watts Output Power

Frequency Range:	850-870 MHz
Operating Voltage:	+13.8 VDC
Current Draw:	42 Amperes (Max)
Duty Cycle:	100%
Power Input:	See chart below
Power Output:	150 Watts, set at 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 <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:	25 pounds nominal

### POWER INPUT RANGE

<u>Model Description</u>	<u>Required Power In</u>	<u>Power Output</u>
P15-R1K1-C1-001	100-200 mW	150 W
P15-R2K1-C1-001	200-500 mW	150 W
P15-R5K1-C1-001	500 mW-1 W	150 W
P15-1K1-C1-001	1-2 W	150 W
P15-2K1-C1-001	2-5W	150 W
P15-5K1-C1-001	5-10 W	150 W
P15-10K1-C1-001	10-20 W	150 W
P15-20K1-C1-001	20-50 W	150 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.