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MODEL 6015

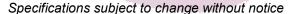
704.5 MHz 1000 WATTS PULSED POWER RF AMPLIFIER

Solid State Pulsed High Power RF Amplifier

The 6015 is a 1,000 Watt pulsed amplifier that covers the 704.5MHz (-704 Version) or the 600 MHz (-600 Version) frequency range. This amplifier utilizes Class AB linear power devices that provide excellent peak power, high gain, and a wide dynamic range.

Due to robust engineering and employment of the most advanced devices and components, this amplifier achieves high efficiency operation with proven reliability, Like all OPHIR_{RF} amplifiers, the 6015 comes with an extended multiyear warranty backed by Ophir RF's commitment to total customer satisfaction.

	<u>Parameter</u>	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	704.5 MHz (600 MHz alternative available)
2	Power at P _{SAT}	1000 Watts Minimum
3	Small Signal Gain	+ 60 dB Minimum
4	Duty Cycle	1% Maximum
5	Pulse Width	25 μSec
6	Pulse Repetition Frequency	25 Hz
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical
9	Spurious Signals	< -60 dBc typical
10	Input/Output Impedance	50 Ohms nominal
11	Peak AC Input Power	500 Watts Maximum
12	AC Input	100 – 240 VAC, single phase
13	RF Input	+0 dBm Nominal for full power +10 dBm No Damage
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	AB
<u>Mechanical</u>		
16	Dimensions	19" x 5.25" x 26" (3RU)
17	Weight	60 lbs.
18	Connectors	Type-N
19	Grounding	Chassis
20	Cooling	Internal Forced Air
<u>Environmental</u>		
21	Operating Temperature	0° C to +50° C
22	Operating Humidity	95% Non-condensing
23	Operating Altitude	Up to 10,000' Above Sea Level
24	Shock and Vibration	Normal Truck Transport





F MODEL SHOWN

ORDERING MODELS

- R Rear RF Connector model
- F Front RF Connector model

CIRCUIT PROTECTIONS

- ◊ Thermal Overload
- ◊ Over Current
- ◊ Over Voltage
- ◊ Open or Short VSWR Conditions (With Built in Internal Isolator)





0916	Approved By:	Date: