



5300 Beethoven Street, Los Angeles, CA 90066

TEL: (310)306-5556 • FAX: (310)577-9887

WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

MODEL 5091-001

100 - 1000 MHz

1000 WATTS

Solid State Broadband High Power RF Amplifier

The 5091-001 is a 1000 Watt broadband amplifier that covers the 100 – 1000 MHz frequency range. This amplifier utilizes Class A/AB linear power devices that provide high gain and a wide dynamic range. This system also achieves high efficiency operation with proven reliability. The 5091-001 comes with an extended warranty.



	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	100 – 1000 MHz
2	Output Power @ 3 dB Comp.	1000 Watts typical 850 Watts min
3	Output Power @ 1 dB Comp.	TBD
	Small Signal Gain	+60 dB min
4	Gain Flatness	± 2.0 dB
5	Input VSWR	2:1 max
6	Input/Output Impedance	50 Ohms nominal
7	AC Input Power	12,000 Watts max
8	AC Input	480 VAC, three phase
9	RF Input	0 dB max
10	RF Input Signal Format	CW/AM/FM/PM/Pulse
11	Class of Operation	AB
Mechanical		
12	Dimensions	70" x 24" x 26" (H x W x D)
13	Weight	750 lbs. max (appx)
14	Input/output RF Connectors	Type-N / 7-16 DIN (Rear Panel)
15	Grounding	Chassis
16	Cooling	Internal Forced Air
Environmental		
17	Operating Temperature	0° C to +50° C
18	Operating Humidity	95% Non-condensing
19	Operating Altitude	Up to 10,000' Above Sea Level
20	Shock and Vibration	Normal Truck Transport

Specifications subject to change without notice...

INCLUDED FEATURES

- ◇ LCD Digital Display
- ◇ Gain Adjustment
- ◇ IEEE-488 GPIB
- ◇ RF Coupled Output
- ◇ RF Detected Output
- ◇ Automatic Level Control
- ◇ Safety Interlock

CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage

OPTIONAL FEATURES

- ◇ Ethernet Interface