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**MODEL 5092**  
**200 - 1000 MHz**  
**1000 WATTS**  
**LINEAR POWER RF AMPLIFIER**

## Solid State Broadband High Power RF Amplifier

The 5092 is a 1000 Watt broadband amplifier that covers the 200 – 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 5092 comes with an extended warranty.



	Parameter	Specification @ 25° C
<b><u>Electrical</u></b>		
1	Frequency Range	200 – 1000 MHz
2	Saturated Output Power	1000 Watts typical
3	Gain @ 1000 Watts P <sub>out</sub>	+61 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	200 – 240 VAC, three phase
9	RF Input	0 dB max
10	RF Input Signal Format	CW/AM/FM/PM/Pulse
11	Class of Operation	AB
<b><u>Mechanical</u></b>		
12	Dimensions	70" x 24" x 26" (H x W x D)
13	Weight	750 lbs. max (TBD)
14	Input/output RF Connectors	Type-N / 7-16 DIN (Rear Panel)
15	Grounding	Chassis
16	Cooling	Internal Forced Air
<b><u>Environmental</u></b>		
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.

### CIRCUIT PROTECTIONS

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

### INCLUDED FEATURES

- ◇ LCD Digital Display
- ◇ Gain Adjustment
- ◇ IEEE-488 GPIB

### OPTIONAL FEATURES

- ◇ Ethernet Interface