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**MODEL 4007-004**  
**350 - 400 MHz**  
**1000 WATTS**  
**LINEAR POWER RF AMPLIFIER**

### Solid State Band-specific High Power RF Amplifier

The 4007-004 is a 1000 Watt band-specific amplifier that covers the 350 – 400 MHz frequency range. This small and lightweight amplifier utilizes Class A/AB linear power devices that provide an excellent 3<sup>rd</sup> order intercept point, 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.

	Parameter	Specification @ 25° C
<b>Electrical</b>		
1	Frequency Range	350 – 400 MHz
2	Saturated Output Power	1000 Watts typical
3	Power Output @ 1dB Comp.	600 Watts min
4	Small Signal Gain	+62 dB min
5	Small Signal Gain Flatness	± 1.5dB max
6	IP <sub>3</sub>	+64 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 600 Watts
9	Spurious Signals	> -60 dBc typical @ 1000 Watts
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	3300 Watts max
12	AC Input	208V/20A, 3 phases
13	RF Input	0 dBm typical
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	AB
<b>Mechanical</b>		
16	Dimensions	19" x 8.75" x 20"
17	Weight	85 lb. max
18	Connectors	Type-N
19	Grounding	Chassis
20	Cooling	Internal Forced Air
<b>Environmental</b>		
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

### CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage
- ◇ VSWR by means of Circulator

### ORDERING MODELS

- ◇ R - Rear Panel Connectors
- ◇ F - Front Panel Connectors
- ◇ RE - R model w/Control Option
- ◇ FE - F model w/Control Option
- ◇ RT - RE model w/Ethernet Interface
- ◇ FT - FE model w/Ethernet Interface



FE Model Shown