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MODEL 4048
1.20 - 1.45 GHz
100 WATTS
LINEAR POWER RF AMPLIFIER

Solid State
Band-specific High
Power RF Amplifier

The 4048 is a 100 Watt band-specific amplifier that covers the 1.20 – 1.45 GHz frequency range. This small and lightweight amplifier utilizes Class A/AB linear power devices that provide an excellent 3rd 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. The 4048 comes with an extended warranty.

	Parameter	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	1.20 – 1.45 GHz
2	Saturated Output Power	100 Watts typical
3	Power Output @ 1dB Comp.	75 Watts min
4	Small Signal Gain	+50 dB min
5	Small Signal Gain Flatness	± 1.0 dB max
6	IP ₃	+59 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 75 Watts
9	Spurious Signals	< -60 dBc typical @ 75 Watts
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	600 Watts max
12	AC Input	100 – 240 VAC, single phase
13	RF Input	+10 dBm max
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	A/AB
<u>Mechanical</u>		
16	Dimensions	19" x 5.25" x 20"
17	Weight	50 lb. max
18	RF 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

Specifications Subject to change without notice

CIRCUIT PROTECTIONS

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

ORDERING MODELS

- ◇ R - Rear Panel Connectors
- ◇ F - Front Panel Connectors
- ◇ RE - Rear Panel Connectors and Control Option
- ◇ FE - Front Panel Connectors and Control Option



F Model Shown