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MODEL 5047

**100KHz-250MHz
5000 WATTS
LINEAR POWER RF AMPLIFIER**

Solid State Broadband High Power RF Amplifier

The 5047 is a 5000 Watt broadband amplifier that covers the 100KHz—250MHz 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 5047 comes with an extended warranty.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	100KHz-250MHz
2	Saturated Output Power	5000 Watts to 100MHz 3000 Watts to 250MHz
3	Small Signal Gain	+70 dB min
4	Gain Flatness	± 4.0 dB
5	Input VSWR	2:1 max
6	Input/Output Impedance	50 Ohms nominal
7	AC Input Power	25,000 Watts max
8	AC Input	200 – 240 VAC, three phase
9	RF Input	0 dBm max
10	RF Input Signal Format	CW/AM/FM/PM/Pulse
11	Class of Operation	AB
Mechanical		
12	Dimensions	72" x 27" x 36" (H x W x D)
13	Weight	800 lbs. max (TBD)
14	Input/output RF Connectors	Type-N / 7-16 DIN
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

CIRCUIT CONTROL

- ◇ Standby (amplifier disable)
- ◇ Gain/power setting with 25 dB range
- ◇ VSWR protection Reset
- ◇ ALC On/ Off

CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage
- ◇ VSWR protection
- ◇ RF Output over drive

Wide range of available options

- ◇ RF Connectors can be changed
- ◇ Various Primary Power Options
- ◇ Various Racking and Installation Options
- ◇ Consult Factory for details

Specifications subject to change without notice.

CIRCUIT INDICATIONS

- ◇ Forward Power
- ◇ Reflected power
- ◇ VSWR Fault
- ◇ Temp Fault
- ◇ Gain Setting (VVA) percentage

ORDERING MODELS

- ◇ RE - Rear panel RF connectors with IEEE-488, Ethernet and RS-232
- ◇ FE - Front panel RF connectors with IEEE-488, Ethernet and RS-232

