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MODEL 5088-004

10 kHz - 1.0 MHz
600 WATTS
LINEAR POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 5088-004 is a 600 Watt broadband amplifier that covers the 0.01 – 1.0 MHz 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.



FE Model Shown

ORDERING MODELS

- ◇ RE - Rear panel RF connectors with IEEE488, Ethernet and RS232
- ◇ FE - Front panel RF connectors with IEEE488, Ethernet and RS232

CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage
- ◇ VSWR protection
- ◇ RF Output power level

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	0.01 – 1.0 MHz
2	Power Output @ Saturation	600 Watts typical
3	Small Signal Gain	+59 dB min
4	ALC Gain Flatness	± 2.5 dB
5	IP ₃	+60 dBm
6	Input VSWR	2:1 max
7	Harmonics	-15 dBc typical @ 250 Watts
8	Spurious Signals	< -60 dBc typical @ 250 Watts
9	Input/Output Impedance	50 Ohms nominal
10	AC Input Power	4000 Watts max
11	AC Input	180 – 240 VAC, single phase
12	Nominal RF Input	0 dBm
13	RF Input Overdrive	+3 dBm max
14	RF Input Signal Format	CW/AM/FM/PM
15	Class of Operation	AB
Mechanical		
16	Dimensions* (W x H x D)	19" x 14" x 26"
17	Weight*	150 lb. max
18	RF Connectors	Type-N
19	Grounding	Chassis
20	Cooling	Internal Forced Air
Environmental		
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 INDICATIONS

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

CIRCUIT CONTROL

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