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MODEL 5188
10KHz - 1000 MHz
25 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 5188 is a 20 Watt broadband amplifier that covers the 10KHz – 1000 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.

The broadband amplifier incorporate 2 channels selected by an internal mechanical relay controlled by RS232 or/and front panel display.

The Amplifier is configured in a rear configuration.

CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage
- ◇ Open/short protection

CIRCUIT CONTROL & INDICATION

- ◇ Gain Control
- ◇ Channel Selection
- ◇ Forward and Reflected power indication

	Parameter	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	Channel 1 10KHz – 200MHz Channel 2 200MHz to 1000MHz
2	Saturated Output Power	20 Watts minimum
3	Power Output @ 1dB Comp.	12 Watts min
4	Small Signal Gain	+44 dB min
5	Small Signal Gain Flatness	± 1.5 dB max
6	IP ₃	+46 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 12 Watts
9	Spurious Signals	> -60 dBc typical @ 12 Watts
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	250 Watts max
12	AC Input	100 – 240 VAC, single phase 50 to 60 Hz
13	RF Input	0 dBm max
14	Channel Selection	RS232 or Front panel display
15	Class of Operation	AB
<u>Mechanical</u>		
16	Dimensions	19" x 5.25" x 18"
17	Weight	40 lb. max
18	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.



Model Shown

Approved By: _____ Date: _____