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MODEL 5067-300

**20 - 1000 MHz
300 WATTS
LINEAR POWER RF AMPLIFIER**

Solid State Broadband High Power RF Amplifier

The 5067-300 is a 300 Watt broadband amplifier that covers the 20 – 1000 MHz frequency range. This 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. Like all OPHIR_{RF} amplifiers, the 5067-300 comes with an extended multiyear warranty.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	20 – 1000 MHz
2	Saturated Output Power	300 Watts typical
3	Small Signal Gain	+56 dB min
4	Gain Flatness	± 3.0 dB max with ALC
5	IP ₃	+58 dBm typical
6	Input VSWR	2:1 max
7	Harmonics	-15 dBc typical @ 150 Watts
8	Spurious Signals	< -60 dBc typical @ 150 Watts
9	Input/Output Impedance	50 Ohms nominal
10	AC Input Power	5000 Watts max
11	AC Input	180 – 240 VAC, single phase
12	RF Input	0 dBm max
13	RF Input Signal Format	CW/AM/FM/PM/Pulse
14	Class of Operation	AB
15		
Mechanical		
16	Dimensions	19" x 10.5" x 24"
17	Weight	120 lb. max
18	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 PROTECTIONS

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

ORDERING MODELS

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

07/10

Approved By: _____ Date: _____