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MODEL 5067FE
20 - 1000 MHz
500 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 5067FE is a 500 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 5067FE comes with an extended multiyear warranty.

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<u>Electrical</u>		
1	Frequency Range	20 – 1000 MHz
2	Saturated Output Power	500 Watts rated
3	Power Output @ 1dB Comp.	250 Watts min
4	Small Signal Gain	+58 dB min
5	Small Signal Gain Flatness	± 2.0 dB max ± 1.25 dB max with ALC
6	IP ₃	+63 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-15 dBc typical @ 250 Watts
9	Spurious Signals	< -60 dBc typical @ 250 Watts
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	5000 Watts max
12	AC Input	200 – 240 VAC, single phase
13	RF Input	0 dBm max
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	AB
<u>Mechanical</u>		
16	Dimensions	31" x 24" x 26"
17	Weight	190 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



CIRCUIT PROTECTIONS

- ◇ Thermal Shutdown
- ◇ Built-in Current Monitoring
- ◇ Over Voltage
- ◇ Fast High Output VSWR Protection
- ◇ RF Input Overdrive Protection

Specifications subject to change without notice.

ORDERING MODELS

- ◇ FE - Front panel RF connectors with controller option, and full communication ports.