



5300 Beethoven Street, Los Angeles, CA 90066
 TEL: (310)306-5556 • FAX: (310)821-7413
 WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

MODEL 5217
700 - 2700 MHz
80 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 5217 is a 80 Watt broadband amplifier that covers the 700 – 2700 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.

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 5217 comes with an extended multiyear warranty.

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<u>Electrical</u>		
1	Frequency Range	700 – 2700 MHz
2	Saturated Output Power	80 Watts typical
3	Small Signal Gain	+50 dB minimum
4	Gain Flatness @ PsAT	+/-2.0 dB maximum +/-1.5 dB typical
5	Input VSWR	2:1 max
6	Harmonics	-20 dBc typical -15 dBc maximum
7	Spurious Signals	-60 dBc maximum -80 dB typical
8	Input/Output Impedance	50 Ohms nominal
9	AC Input Power	1000 Watts max
10	AC Input	100 – 240 VAC, single phase
11	RF Input	+3 dBm max
12	RF Input Signal Format	CW/AM/FM/PM/Pulse
13	Class of Operation	A/AB
<u>Mechanical</u>		
14	Dimensions	19" x 5.25" x 20"
15	Weight	43 lb. max
16	Connectors	Type-N
17	Grounding	Chassis
18	Cooling	Internal Forced Air
<u>Environmental</u>		
19	Operating Temperature	0° C to +50° C
20	Operating Humidity	95% Non-condensing
21	Operating Altitude	Up to 10,000' Above Sea Level
22	Shock and Vibration	Normal Truck Transport

CIRCUIT CONTROL

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

CIRCUIT INDICATIONS

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

CIRCUIT PROTECTIONS

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

ORDERING MODELS

- ◇ RE - R model with Ethernet, IEEE488 and RS232
- ◇ FE - F model with Ethernet, IEEE488 and RS232

Specifications subject to change without notice.



FE Model Shown

ORDERING MODELS

- ◇ R - Rear Connectors
- ◇ F - Front Connectors