



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 7007

20 - 4200 MHz
100 WATTS
BANDED POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 7007 is a 100W multi channel broadband system that covers the 20 – 4200 MHz frequency range with a single RF input and Single RF output port.

The system includes RF high power switches controlled by the system controller. The RS232/ Ethernet and/or Front panel key-pad provides full control and reduces the power consumption to the minimum by shutting down the un-selected channel.

The System is configured in a Rear panel Connectors configuration.

Specifications subject to change without notice

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	20 – 4200 MHz
2	Saturated Power Output	100 Watts minimum
3	Nominal RF drive for rated power	0 dB typ.
4	Small Signal Flatness	+/-3dB without ALC +/-1dB with ALC
5	Power @ P1dB	50W minimum
6	Input VSWR	2:1 max
7	Harmonics	-15 dBc typ. @ 20 to 1000 MHz -20 dBc typ. @ 0.8 to 4.2 GHz
8	Spurious Signals	> -60 dBc typical
9	Maximum RF Input	10 dBm max for 10 sec
10	Antenna Select	4 ports, selectable via front panel display and/or RS232 and/or Ethernet interface
11	Antenna Switching time	50mS max
12	VSWR Protection	Protected against any mismatch Latched and resettable
13	AC Power Consumption	1000W maximum (one channel transmit at a time)
14	AC Power Input	100-240VAC, 1Ø single Phase
Mechanical		
15	Dimensions	19" x 26" x 12.25"
16	Weight	150 lb. max
17	Connectors	Type-N
18	Grounding	Chassis
19	Cooling	Internal Forced Air
Environmental		
20	Operating Temperature	0° C to +50° C
21	Operating Humidity	95% Non-condensing
22	Operating Altitude	Up to 10,000' Above Sea Level
23	Shock and Vibration	Normal Truck transport

