



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 7005F
80 - 6000 MHz THREE SYSTEMS
50 to 300 WATTS
HIGH POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 7005F is a three individual amplifier systems that covers the 80 – 6000 MHz frequency range. Each system transmits independently.

The 7005F is based on Ophir RF standard legacy proven systems 5226F, 5253F and 5193F.

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 7005F comes with an extended multiyear warranty backed by Ophir RF's commitment to total customer satisfaction.

All RF connections for RF In/Out are made at the front of the rack system



	<u>Parameter</u>	<u>Specification @ 25° C</u>
<u>Electrical</u>		
1	Frequency Range	Channel 1 80 to 1000 MHz Channel 2 700 to 2500 MHz Channel 3 2000 to 6000 MHz
2	Output Power at P-1dB	Channel 1 200 W Minimum Channel 2 60 W Minimum Channel 3 40 W Minimum
3	Saturated Output Power	Channel 1 300 W Minimum Channel 2 80 W Minimum Channel 3 50 W Minimum
4	RF Input	0 dBm nominal for rated power
6	Gain Flatness	+/- 3.0 dB max per system
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical (@ P-1dB)
9	Spurious Signals	< -60 dBc typical (@ P-1dB)
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	180-240VAC, 1Ø, 50/60 Hz per system
12	AC Input Power	Channel 1 3,000 W max Channel 2 1,200 W max Channel 3 800 W max
13	RF Input Signal Format	CW/AM/FM/PM/Pulse
14	Class of Operation	Class A
<u>Mechanical</u>		
15	Dimensions	42" x 24" x 30" (H x W x D) max. Small rack cabinet included
16	Weight	350 lbs. max
17	Connectors	Type-N
18	Rear panel interface	AC Voltage input connector
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