



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 7014

10KHz - 1000 MHz
500 WATTS
BANDED POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 7014 is a dual channel broadband system that covers the 10KHz – 1000 MHz frequency range in a single Antenna port.

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



	Parameter	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	10KHz – 1000 MHz
2	Output Power	500W typ @ Psat
3	Nominal RF drive for rated power	0 dB typ.
4	Input VSWR	2:1 max
5	Harmonics	-15 dBc typ.
6	Spurious Signals	> -60 dBc typical
7	Temperature Protection	Baseplate above 80° C
8	AC Power Consumption (one channel transmits)	5000W max
11	AC Power Input	208VAC, 3Ø Three Phase
9	Maximum RF Input	10 dBm max
10	Band Switching time	100mS max
<u>Mechanical</u>		
11	Dimensions	31" x 24" x 26"
12	Weight	360 lb. max
13	Connectors	Type-N
14	Grounding	Chassis
15	Cooling	Internal Forced Air
<u>Environmental</u>		
16	Operating Temperature	0° C to +50° C
17	Operating Humidity	95% Non-condensing
18	Operating Altitude	Up to 10,000' Above Sea Level
19	Shock and Vibration	Normal Truck transport

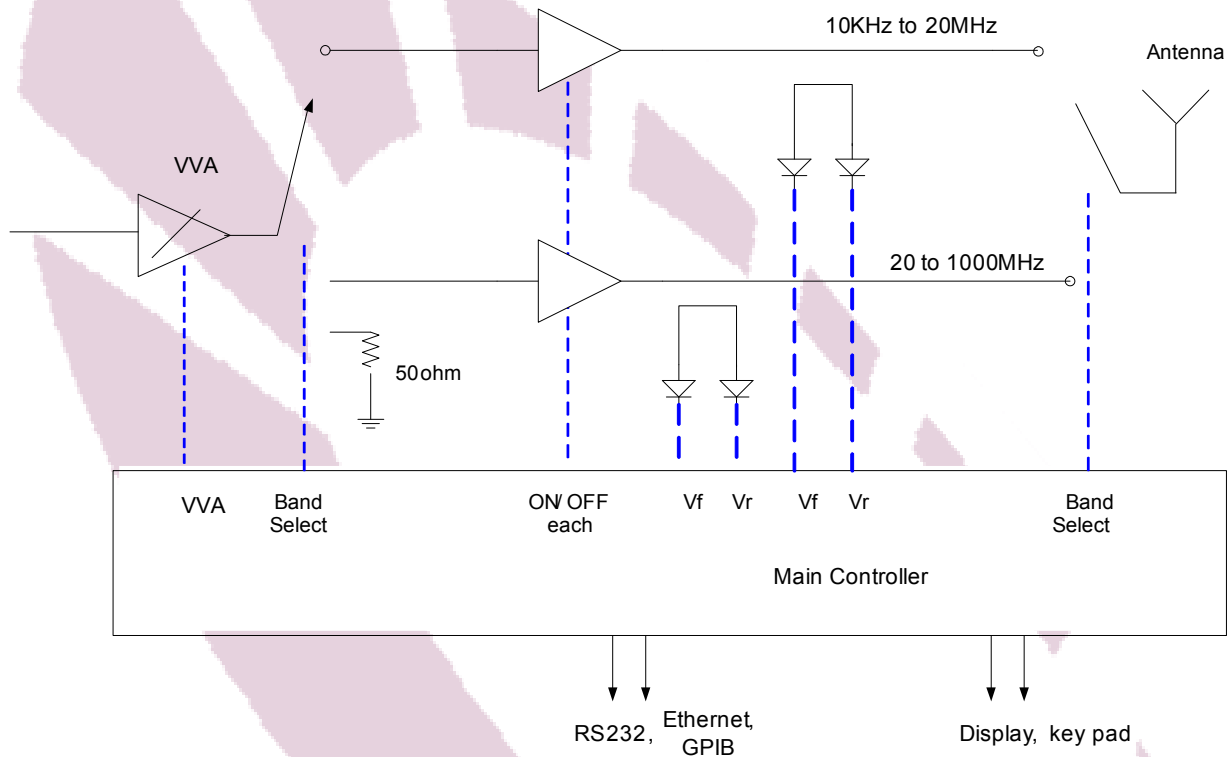
Specifications subject to change without notice



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CIRCUIT INDICATIONS

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

CIRCUIT CONTROL

- ◇ Standby (amplifier disable)
- ◇ Gain/power setting with 25dB range
- ◇ Temp Fault
- ◇ Band Selection

CIRCUIT PROTECTIONS

- ◇ Infinite VSWR
- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage