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 7025

10 - 3000 MHz
15 WATTS
BANDED POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 7025 is a 15W multi channel broadband system that that covers the 10 – 3000 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.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	10 – 3000 MHz
2	Saturated Power Output	15 Watts typ.
3	Nominal RF drive for rated power	0 dB typ.
4	Small Signal Flatness	+/-2dB
5	Power Output @ P1dB	5 Watts min @ 10 to 1000 MHz 10 Watts typ. @ 1 to 3 GHz
6	Input VSWR	2:1 max
7	Harmonics	-15 dBc typ. @ 20 to 1000 MHz -20 dBc typ. @ 1 to 3 GHz
8	Spurious Signals	> -60 dBc typical
9	Temperature Protection	Baseplate above 80º C
10	AC Power Consumption (only one channel transmit at the time)	500 Watt @ 10 to 1000 MHz 500 Watts @ 1 to 3 GHz
11	AC Power Input	100-240VAC, 1Ø single Phase
12	Noise Figure	10dBm max
13	Maximum RF Input	+3 dBm max for 10 sec
14	Antenna Switching time	50mS max
Mechanical		
15	Dimensions	19” x 26” x 5.25”
16	Weight	50 lb. max
17	Connectors	Type-N
18	Grounding	Chassis
19	Cooling	Internal Forced Air
Environmental		
20	Operating Temperature	0º C to +50º C
21	Operating Humidity	95% Non-condensing
22	Operating Altitude	Up to 10,000’ Above Sea Level
23	Shock and Vibration	Normal Truck transport

Specifications subject to change without notice

 Approved By: _____ Date: _____

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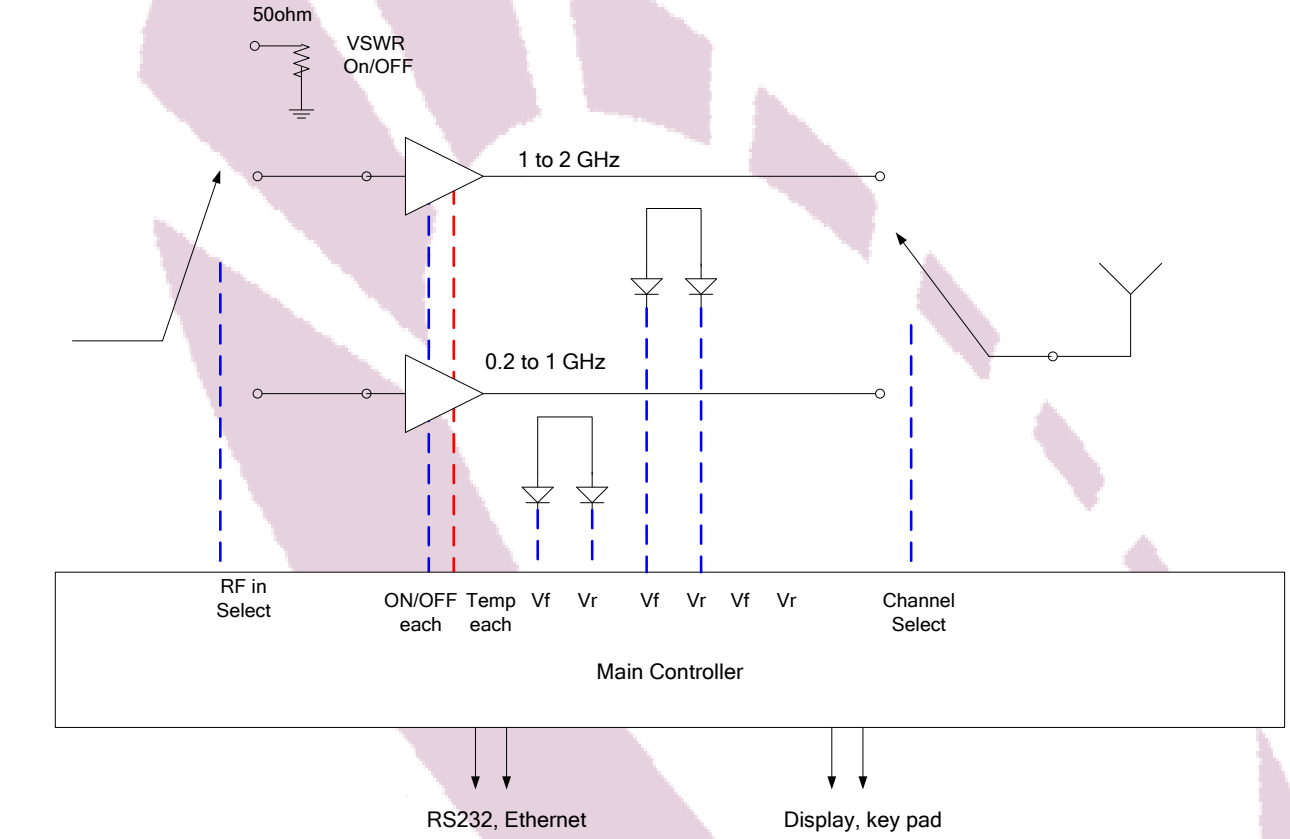
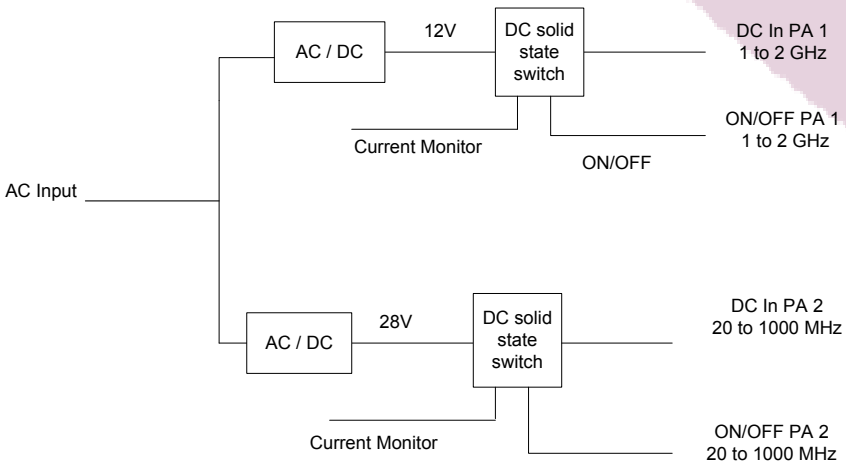


CIRCUIT PROTECTIONS

◊ Protection against VSWR of > 2:1 latched with Reset
◊ Thermal Overload
◊ Over Current
◊ Over Voltage



CONTROL & INDICATIONS

◊ AC Circuit Breaker
◊ Band Select
◊ Forward power of selected channel
◊ Reflected Power of selected channel
◊ VSWR Fault Reset