5300 Beethoven Street, Los Angeles, CA 90066
TEL: (310)306-5556 • FAX: (310)821-7413
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MODEL 7002

20 - 2500 MHz
50 WATTS
BANDED POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 7002 is a 50W multi channel broadband system that that covers the 20 – 2500 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	20 – 2500 MHz
2	Saturated Power Output	50 Watts typ.
3	Nominal RF drive for rated power	0 dB typ.
4	Power Flatness	+/-1.5dB
5	Power Output @ P1dB	20W minimum
6	Input VSWR	2:1 max
7	Harmonics	-15 dBc typ. @ 20 to 1000 MHz -20 dBc typ. @ 1 to 2.5 GHz
8	Spurious Signals	> -60 dBc typical
9	Temperature Protection	Baseplate above 80º C
10	AC Power Consumption	500 Watt maximum
11	AC Power Input	100-240VAC, 1Ø single Phase
12	Maximum RF Input	10 dBm max
13	Antenna Switching time	50mS max
Mechanical		
14	Dimensions	19” x 20” x 5.25”
15	Weight	50 lb. max
16	Connectors	Type-N
17	Grounding	Chassis
18	Cooling	Internal Forced Air
Environmental		
19	Operating Temperature	0º C to +50º C
20	Operating Humidity	95% Non-condensing
21	Operating Altitude	Up to 10,000’ Above Sea Level
22	Shock and Vibration	Normal Truck transport

Specifications subject to change without notice

 Approved By: _____ Date: _____

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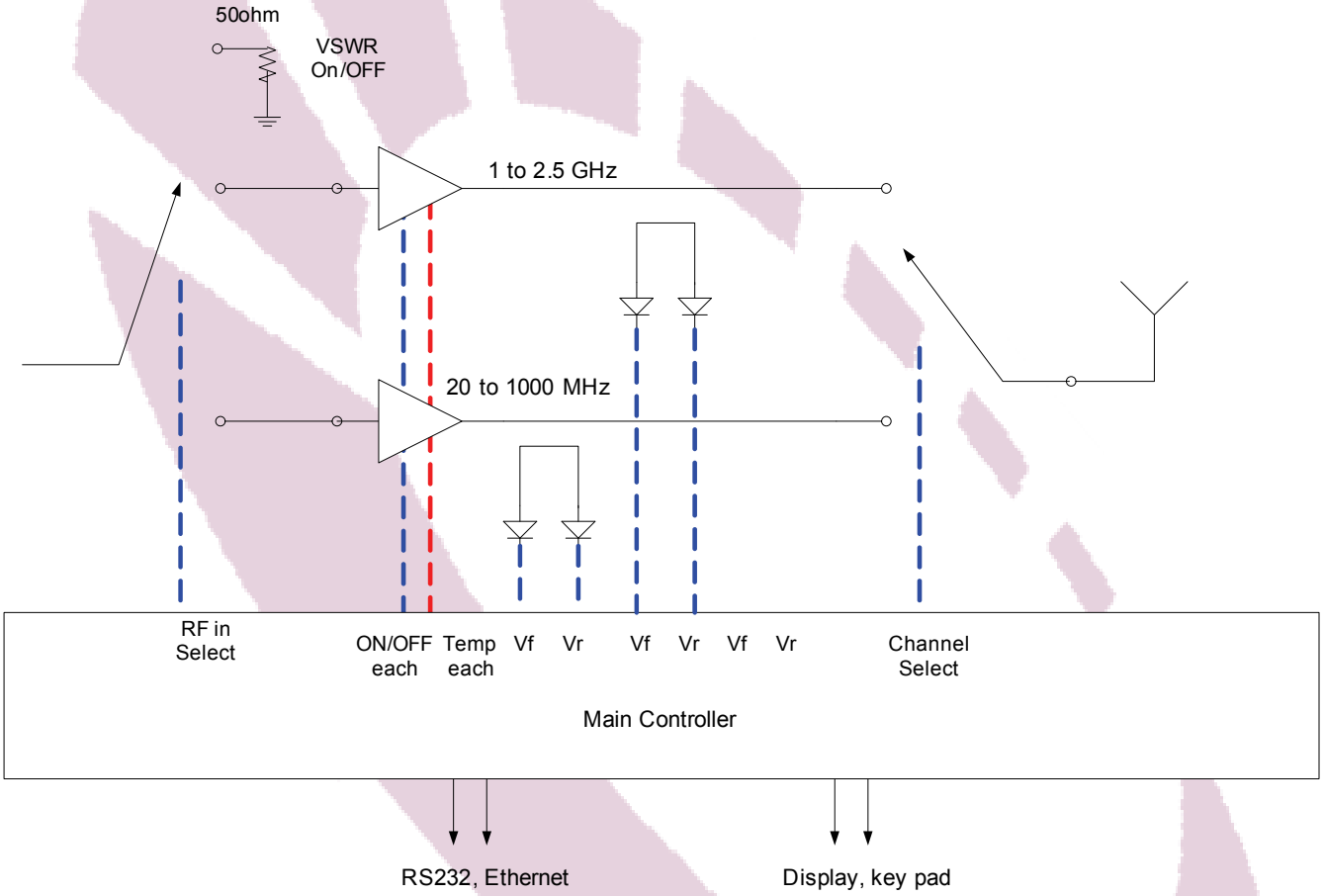

CIRCUIT PROTECTIONS

◊ 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