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MODEL 7004A

5 - 2000 MHz
15/20 WATTS
BANDED POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 7004A is a 15/20W multi channel broadband system that covers the 5 – 2000 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
<u>Electrical</u>		
1	Frequency Range	5 – 2000 MHz
2	Saturated Power Output	5—20MHz, 15W typ. 20—2000MHz, 20W typ.
3	Nominal RF drive for rated power	0 dB typ.
4	Small Signal Flatness	+/-2dB
5	Power Output @ P1dB	5 Watts min @ 5 to 20 MHz 10 Watts typ. @ 20 to 2000 MHz
6	Input VSWR	2:1 max
7	Harmonics	-15 dBc typ. @ 5 to 1000 MHz -20 dBc typ. @ 1 to 3 GHz
8	Spurious Signals	< -60 dBc typical
9	Temperature Protection	Baseplate above 80° C
10	AC Power Consumption (only one channel transmit at the time)	400 Watt @ 5 to 1000 MHz 500 Watts @ 1 to 2 GHz
11	AC Power Input	100-240VAC, 1Ø single Phase
12	Noise Figure	10dBm max
13	Maximum RF Input	10 dBm max for 10 sec
14	Antenna Switching time	50mS max
<u>Mechanical</u>		
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
<u>Environmental</u>		
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

Specifications subject to change without notice

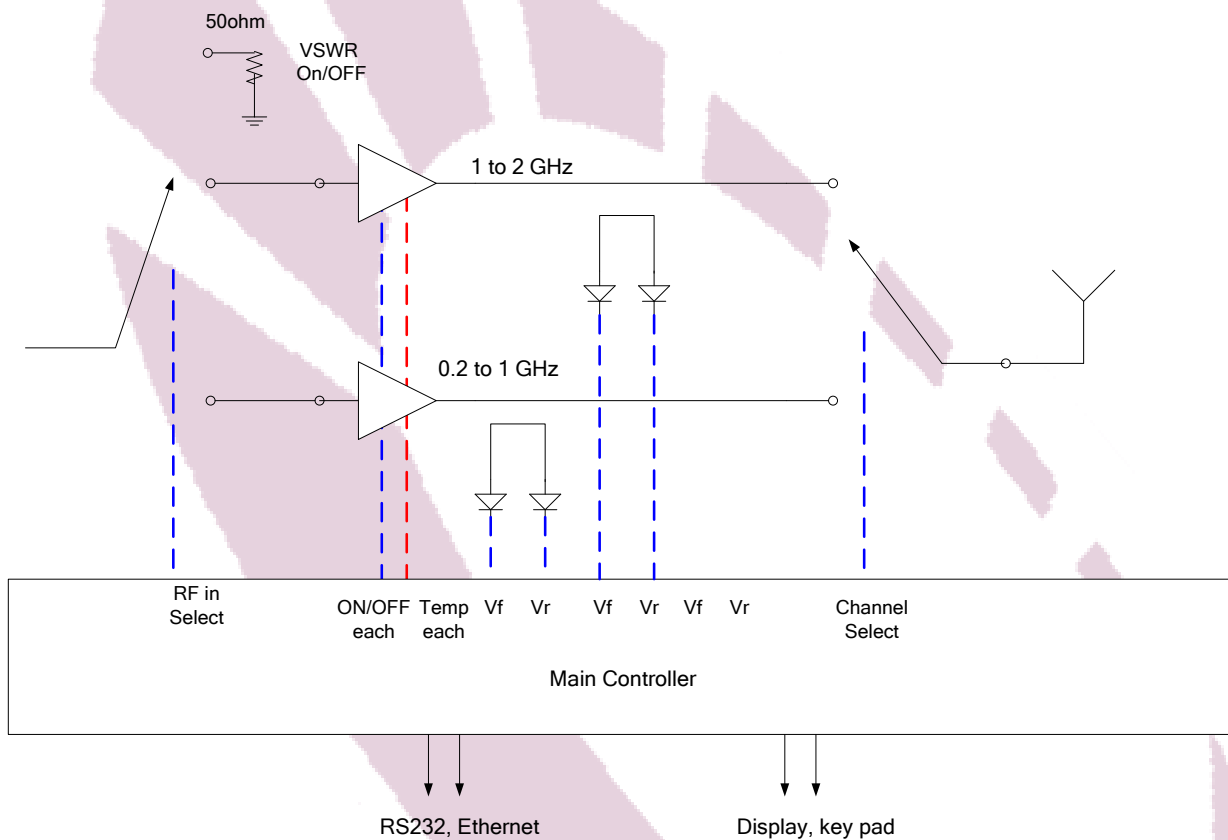




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CIRCUIT PROTECTIONS

- ◇ 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

