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**MODEL 7017**  
**20 - 3000 MHz**  
**150 WATTS**  
**BANDED POWER RF AMPLIFIER**

**Solid State  
 Broadband High  
 Power RF Amplifier**

The 7017 is a 150W multi channel broadband system that covers the 20 – 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 IEEE-488/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.

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<b><u>Electrical</u></b>		
1	Frequency Range	20 – 3000 MHz
2	Saturated Power Output	150 Watts typ.
3	Nominal RF drive for rated power	0 dB typ.
4	Small Signal Flatness	+/-2.5dB
5	Input VSWR	2:1 max
6	Harmonics	-15 dBc typ. @ 20 to 1000 MHz -20 dBc typ. @ 1 to 3 GHz
7	Spurious Signals	< -60 dBc typical
8	Temperature Protection	Baseplate above 80° C
9	AC Power Consumption (only one channel transmit at the time)	3000 Watt
10	AC Power Input	180-240VAC, 1Ø single Phase
11	Maximum RF Input	0dBm for 20-1000MHz +10 dBm max for 1.0 –3.0GHz
12	Antenna Switching time	50mS max
<b><u>Mechanical</u></b>		
13	Dimensions	19" x 14" x 26"
14	Weight	120 lb. max
15	Connectors	Type-N
16	Grounding	Chassis
17	Cooling	Internal Forced Air
<b><u>Environmental</u></b>		
18	Operating Temperature	0° C to +50° C
19	Operating Humidity	95% Non-condensing
20	Operating Altitude	Up to 10,000' Above Sea Level
21	Shock and Vibration	Normal Truck transport

Specifications subject to change without notice

**ORDERING MODEL**

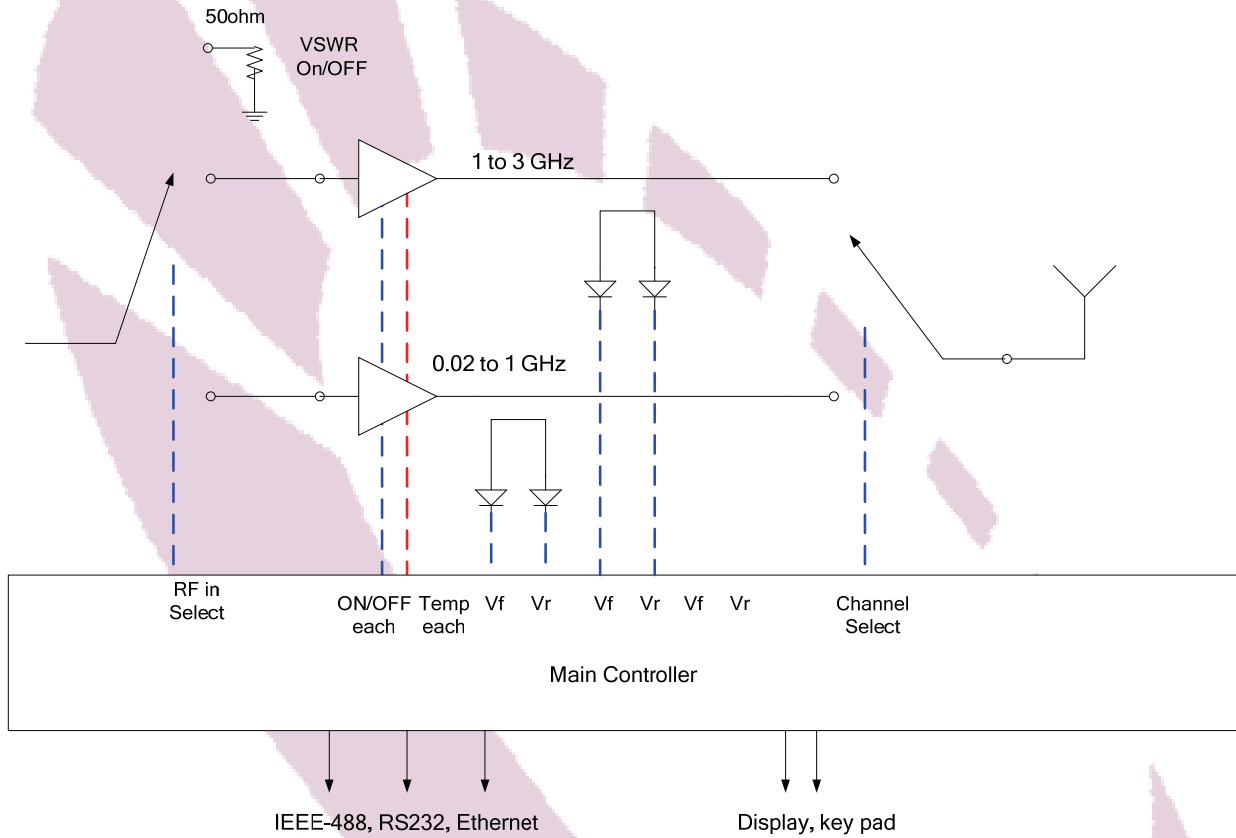
◇ RE - Rear RF Connector model with Front Panel Controller Ethernet, IEEE-488 and RS232





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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

