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**MODEL 7018**  
**10KHz - 1000 MHz**  
**100 WATTS**  
**BANDED POWER RF AMPLIFIER**

**Solid State  
 Broadband High  
 Power RF Amplifier**

The 7018 is a multi channel broadband system that covers the 10KHz – 1000 MHz frequency range with 100 watts of Saturated Power minimum.

This integrated system provides power across two separate bands 10KHz to 200MHz and 20-1000MHz frequency range.

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

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<b><u>Electrical</u></b>		
1	Frequency Range	10KHz – 1000 MHz
2	Saturated Power Output	100 Minimum
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)	1250 Watts maximum
9	AC Power Input	100-240VAC, 1Ø single Phase
10	Maximum RF Input	10 dBm max
11	Antenna Switching time	100mS max
<b><u>Mechanical</u></b>		
12	Dimensions	19" x 26" x 12.25"
13	Weight	150 lb. max
14	Connectors	Type-N
15	Grounding	Chassis
16	Cooling	Internal Forced Air
<b><u>Environmental</u></b>		
17	Operating Temperature	0° C to +50° C
18	Operating Humidity	95% Non-condensing
19	Operating Altitude	Up to 10,000' Above Sea Level
20	Shock and Vibration	Normal Truck transport

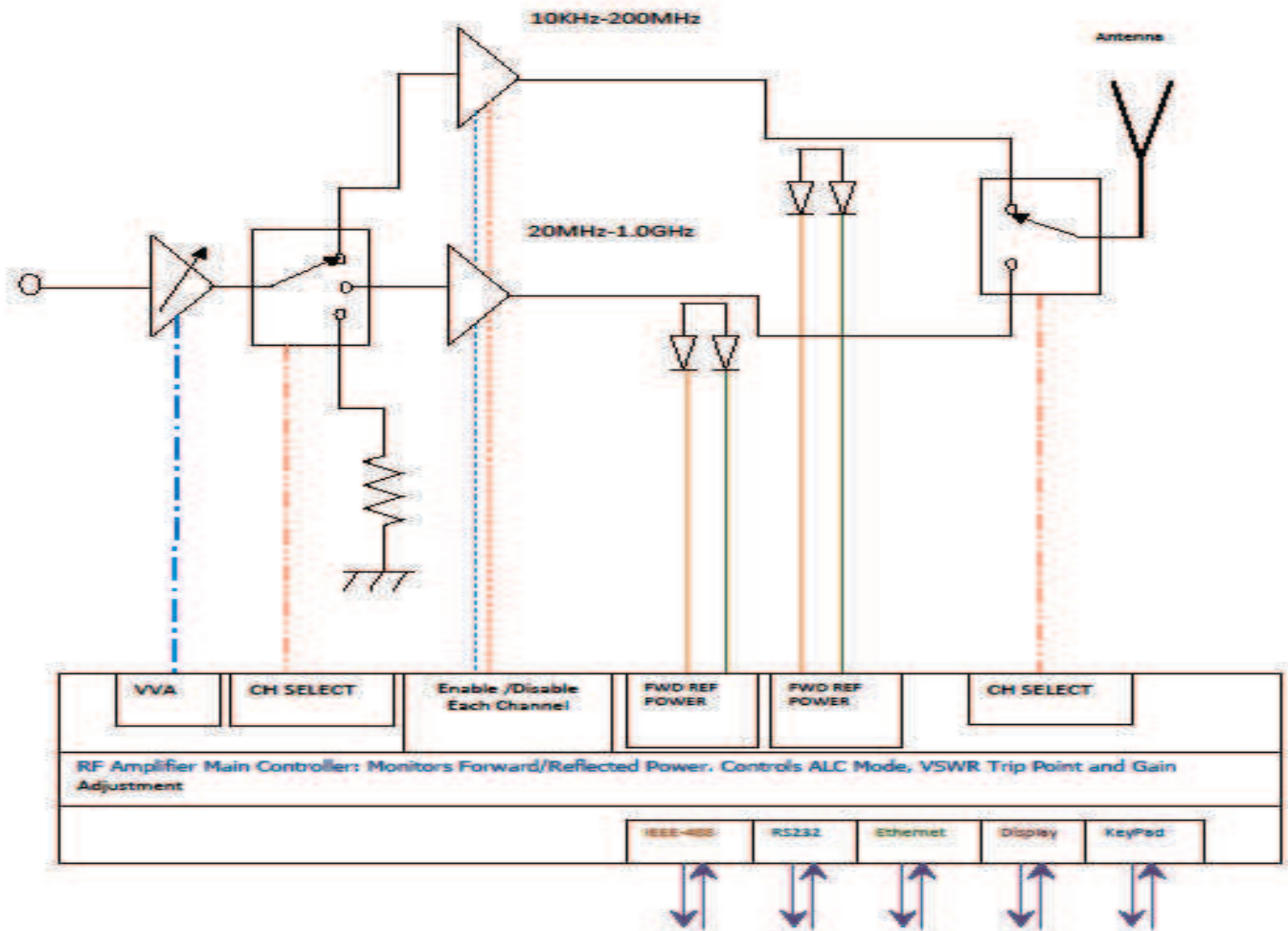
Specifications subject to change without notice





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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