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MODEL 7026

**10KHz - 1000 MHz
500/100 WATTS
BANDED POWER RF AMPLIFIER**

Solid State Broadband High Power RF Amplifier

The 7026 is a multi channel broadband system that covers the 10KHz – 1000 MHz frequency range with 500 watts of Saturated Power minimum for the 10KHz – 200MHz band and 100 Watts Minimum for the 20-1000MHz Band.

This integrated system provides power across two separate bands 10KHz to 200MHz and 20-1000MHz frequency range. This unit incorporates a unique RF Relay System to allow a single RF Input and a Single RF Output.

The system includes RF high power switches controlled by the system controller. The RS232/Ethernet/IEEE-488 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.

	Parameter	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	10KHz – 1000 MHz (Two Channels)
2	Saturated Power Output	500 Watts Minimum 0.01—200MHz 100 Watts Minimum 20-1000MHz
3	Nominal RF drive for rated power	0 dB typ.
4	Input VSWR	2:1 max
5	Harmonics	-12 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
<u>Mechanical</u>		
12	Dimensions	31" x 24" x 26"
13	Weight	150 lb. max
14	Connectors	Type-N
15	Grounding	Chassis
16	Cooling	Internal Forced Air
<u>Environmental</u>		
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



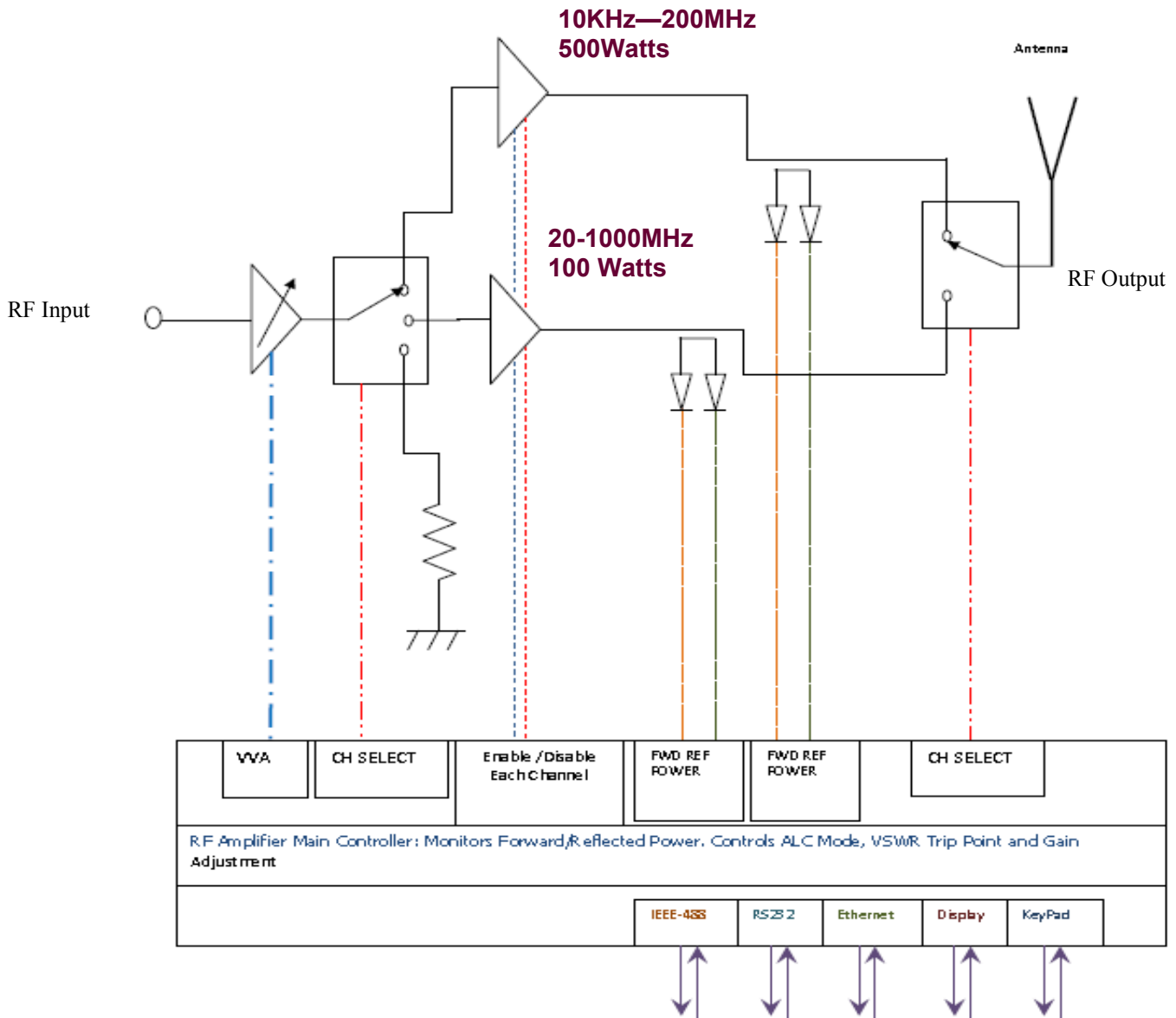
Specifications subject to change without notice



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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