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MODEL 7015
450 - 3800 MHz
50 WATTS
BANDED POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 7015 is a dual channel broadband system that covers the 450MHz – 3800 MHz frequency range in a single Antenna port.

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

| | <u>Parameter</u> | <u>Specification @ 25° C</u> |
|-----------------------------|----------------------------------|-------------------------------|
| <u>Electrical</u> | | |
| 1 | Frequency Range | 450MHz – 3800 MHz |
| 2 | Output Power @ Psat | 50W min |
| 3 | IP3 | +52dBm typ. |
| 4 | Nominal RF drive for rated power | 0 dB typ. |
| 5 | Small signal gain | 48dB min |
| 6 | Small signal flatness | +/-3 dB max |
| 7 | Input VSWR | 2:1 max |
| 8 | Input/Output Impedance | 50 Ohms nominal |
| 9 | Harmonics | -20 dBc typ. |
| 10 | Spurious Signals | > -60 dBc typical |
| 11 | Temperature Protection | Baseplate above 80° C |
| 12 | AC Input | 100 – 240 VAC, single phase |
| 13 | AC Power Consumption | 600W max |
| 14 | Maximum RF Input | 10 dBm max |
| 15 | Band Switching time | 100mS max |
| 16 | Class of Operation | A/AB |
| <u>Mechanical</u> | | |
| 17 | Dimensions | 19" x 8.75" x 20" |
| 18 | Weight | 80 lb. max |
| 19 | Connectors | Type-N |
| 20 | Grounding | Chassis |
| 21 | Cooling | Internal Forced Air |
| <u>Environmental</u> | | |
| 22 | Operating Temperature | 0° C to +50° C |
| 23 | Operating Humidity | 95% Non-condensing |
| 24 | Operating Altitude | Up to 10,000' Above Sea Level |
| 25 | Shock and Vibration | Normal Truck transport |

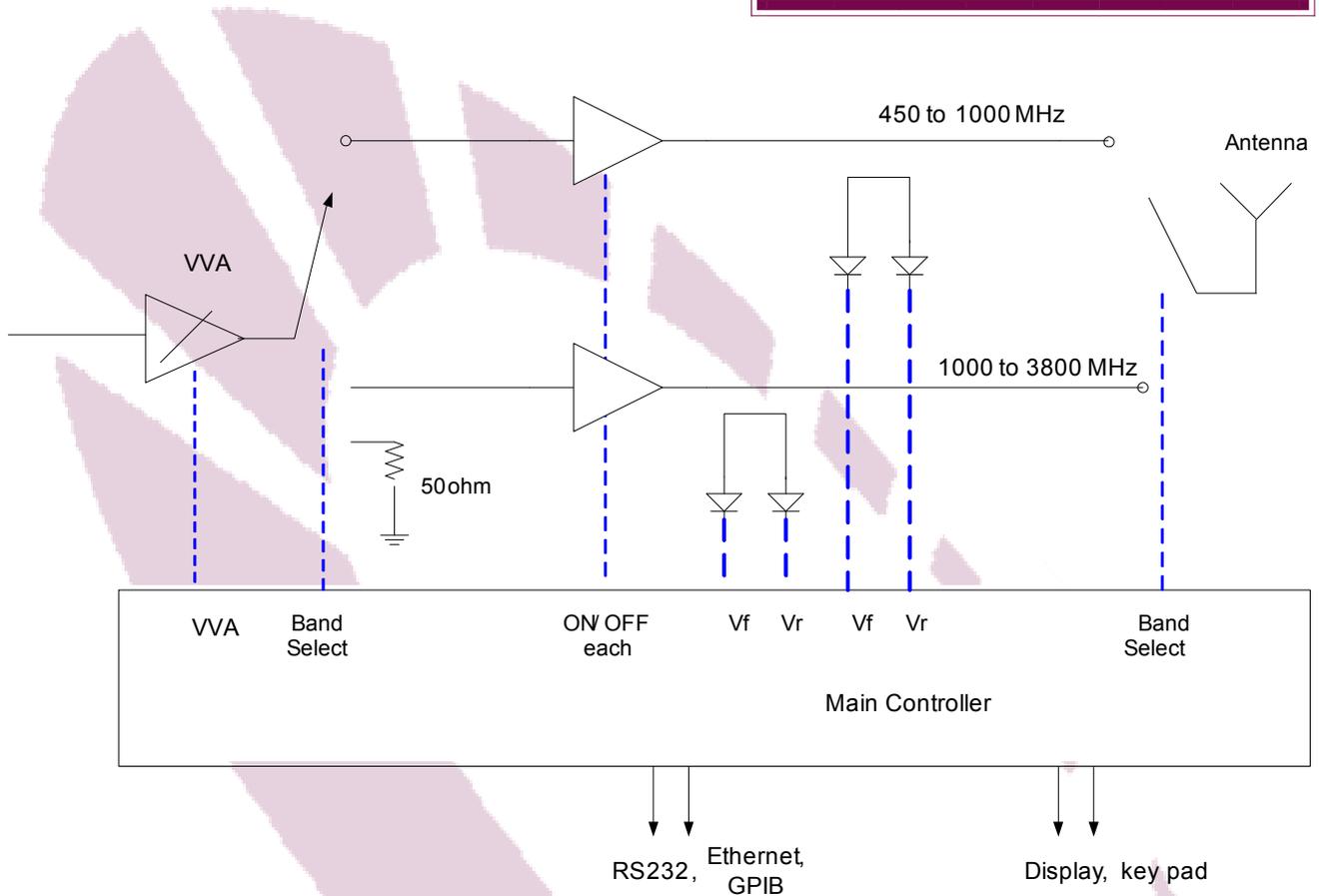


Specifications subject to change without notice



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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 20dB range
- ◇ Temp Fault
- ◇ Band Selection

CIRCUIT PROTECTIONS

- ◇ Infinite VSWR
- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage