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MODEL 7013
0.8 - 8.0 GHz
60/35 WATTS
BANDED POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 7013 is a 60/35W multi channel broadband system that covers the 0.8 – 8.0 GHz 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 can be configured in a Rear or Front panel Connectors configuration. Rear Connectors is default configuration.

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<u>Electrical</u>		
1	Frequency Range	0.8 – 8.0 GHz
2	Saturated Power Output	60 Watts typ. @ 0.8 to 4.2 GHz 35 Watts typ. @ 4.0 to 8.0 GHz
3	Small Signal Gain	46 dB Min.
4	Nominal RF drive for rated power	0 dBm
5	Power Flatness	+/-2.0 dB (0.8-4.2 GHz) +/-2.0 dB (4.0-8.0 GHz)
6	Input VSWR	2:1 max
7	Harmonics	-20 dBc typ.
8	Spurious Signals	< -60 dBc typical
9	Temperature Protection	Baseplate above 80° C
10	AC Power Consumption (only one channel transmit at the time)	1,200 Watt Max.
11	AC Power Input	90-240VAC, single Phase
12	Maximum RF Input	+10 dBm max
13	Band selection switching time	50mS max
<u>Mechanical</u>		
14	Dimensions	19" x 8.75" x 26"
15	Weight	80 lb. max
16	Connectors	Type-N
17	Grounding	Chassis
18	Cooling	Internal Forced Air
<u>Environmental</u>		
19	Operating Temperature	0° C to +50° C
20	Operating Humidity	95% Non-condensing
21	Operating Altitude	Up to 10,000' Above Sea Level
22	Shock and Vibration	Normal Truck transport

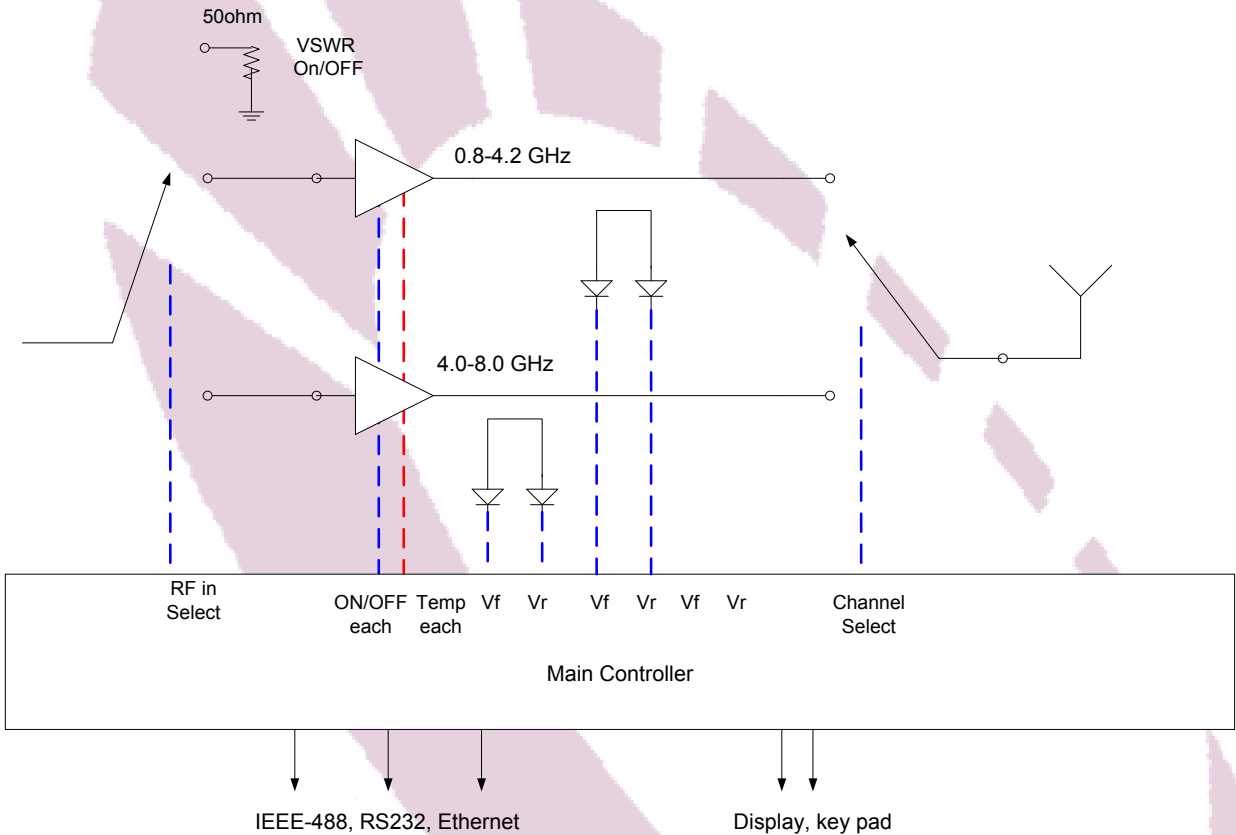
Specifications subject to change without notice





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CONTROL & INDICATIONS

- ◇ AC Circuit Breaker
- ◇ Band Select
- ◇ Forward power of selected channel
- ◇ Reflected Power of selected channel
- ◇ VSWR Fault Reset

CIRCUIT PROTECTIONS

- ◇ Protection against VSWR of > 3:1 latched with Reset
- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage

