



GENERAL SPECIFICATIONS

OPERATION

Constant Current: 0 to selected full scale current

Prog. Accuracy

(Range): (high/med) ranges: $\pm 0.25\%$
(low) range: $\pm 0.5\%$

Regulation: $\pm 0.1\%$ of selected full scale

Constant Resistance: Constant Resistance mode operates in Amps/Volt units entered in ohms or A/V

Prog. Accuracy: $\pm 3\%$ of selected full scale

Regulation: $\pm 3\%$ of selected full scale

Constant Voltage: 0 to selected selected full scale

Prog. Accuracy

(Range):

(high/med) ranges: $\pm 0.25\%$

(low): $\pm 0.5\%$

Regulation: $\pm 0.15\%$ of selected full scale

Constant Power: 0 to full scale power

Prog. Accuracy: $\pm 3\%$ of full scale

Regulation: $\pm 3\%$ of full scale

ANALOG MODE

Ext. Prog: 0 to 10 Volts input yields 0 to selected full scale loading in all operating modes.

Input Impedance: 330k Ohms

Prog. Response: Limited by internal adjustable slew rate limiter

PULSE MODE

Frequency: 0.06Hz to 20kHz

Accuracy: 0.1%

Duty Cycle: 10 - 90%(Analog)

Accuracy: 0.1%

Adjustable Slew Rate:

Max: 0 to full scale in 10 μ S

Min: 0 to full scale in 10mS

OUTPUT SIGNALS

Current Sample Output:

Scaling: 10 Volts = selected full scale

Accuracy: $\pm 0.5\%$ of selected full scale

Sync Output:

Timing: Synchronous with pulse generator.

Output: Sink with 10k pull up to +15V

PROTECTION

Current Limit:

Analog Models: Approximately 105% of selected full scale current

Voltage Limit:

Analog Models: Load disconnect at 105% of selected full scale voltage

Power Limit:

Analog Models: Approximately 4250 Watts

Thermal: Load disconnect at internal temperature of 105°C

Undervoltage: Load inhibited at less than 1 Volt, when enabled

MISCELLANEOUS

AC Input: User Selectable 100VAC, 120VAC, 200VAC, 240VAC, $\pm 10\%$, 48 - 62 Hz @ 350W

Ambient Temp: 0°C to 40°C

SAFE OPERATING AREA & SPECIFICATIONS

The RBL 2000 watt analog programmable series is a compact, simple to program, 2000 watt electronic load package. Featuring all the capabilities of the RBL488 family, including the wide range of models to choose from, the RBL 2000W analog programmable series will fit most of your load and space requirements. Master/slave parallel operation is standard throughout the RBL family. Full scale range switching, and quiet variable speed fans remain standard.

- High Speed Adjustable Slew Rate
- Front Panel or Remote Control
- Operation to Less Than 200mv
- Pulse Load Shaping
- Full Range Switching
- Quiet Variable Speed Fans

RBL 100-300-2000

OPERATING RANGES (FULL SCALES)

Voltage: 10 Volts, 50 Volts, 100 Volts

Current: 20 Amps, 200 Amps, 300 Amps

Power: 2000 Watts

Short Circuit: 0.005 Ohms max.

CONSTANT RESISTANCE RANGES

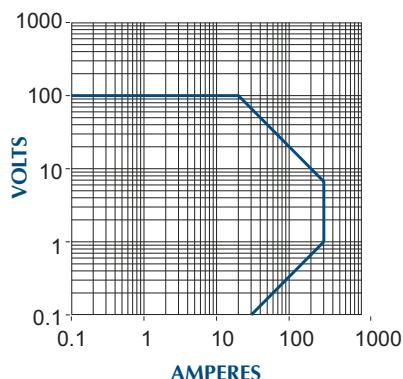
High Ohms Mode

Range	20A	200A	300A
10V	0-1 A/V	0-10 A/V	0-15 A/V
50V	0-2 A/V	0-2 A/V	0-3 A/V
100V	0-1 A/V	0-1 A/V	0-1.5 A/V

Low Ohms Mode

Range	20A	200A	300A
10V	0-10 A/V	0-100 A/V	0-150 A/V
50V	0-2 A/V	0-20 A/V	0-30 A/V
100V	0-A/V	0-10 A/V	0-15 A/V

INPUT CHARACTERISTICS:



RBL 400-300-2000

OPERATING RANGES (FULL SCALES)

Voltage: 20 Volts, 200 Volts, 400 Volts

Current: 20 Amps, 200 Amps, 300 Amps

Power: 2000 Watts

Short Circuit: 0.010 Ohms max.

CONSTANT RESISTANCE RANGES

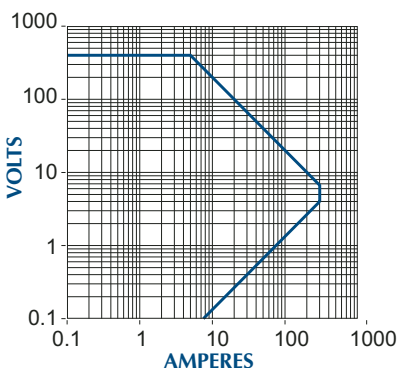
High Ohms Mode

Range	20A	200A	300A
20V	0-5 A/V	0-5 A/V	0-7.5 A/V
200V	0-0.05 A/V	0-5 A/V	0-7.5 A/V
400V	0-0.025 A/V	0-2.5 A/V	0-3.75 A/V

Low Ohms Mode

Range	20A	200A	300A
20V	0-5 A/V	0-50 A/V	0-75 A/V
200V	0-5 A/V	0-2.5 A/V	0-7.5 A/V
400V	0-2.5 A/V	0-2.5 A/V	0-3.75 A/V

INPUT CHARACTERISTICS:



RBL 600-100-2000

OPERATING RANGES (FULL SCALES)

Voltage: 20 Volts, 200 Volts, 600 Volts

Current: 2 Amps, 20 Amps, 100 Amps

Power: 2000 Watts

Short Circuit: 0.035 Ohms max.

CONSTANT RESISTANCE RANGES

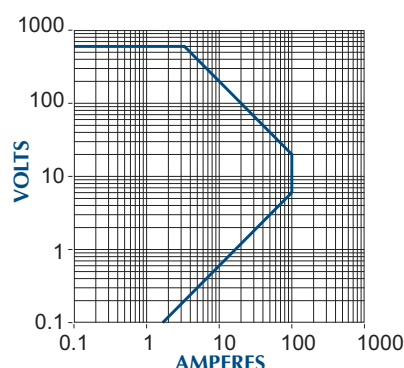
High Ohms Mode

Range	2A	20A	100A
20V	0-0.05 A/V	0-5 A/V	0-2.5 A/V
200V	0-0.005 A/V	0-0.05 A/V	0-0.25 A/V
600V	0-0.0016 A/V	0-0.016 A/V	0-0.083 A/V

Low Ohms Mode

Range	2A	20A	100A
20V	0-5 A/V	0-5 A/V	0-25 A/V
200V	0-0.05 A/V	0-5 A/V	0-2.5 A/V
600V	0-0.016 A/V	0-1.66 A/V	0-8.33 A/V

INPUT CHARACTERISTICS:



2000W OUTLINE

