

**INPUT:**

<b>6212B</b>	<b>6214B</b>
115 Vac, $\pm 10\%$ , 48-440 Hz, 0.29A, 28W	115 Vac, $\pm 10\%$ , 48-440 Hz, 0.3A, 28W
<b>6216B</b>	<b>6218B</b>
115 Vac, $\pm 10\%$ , 48-440 Hz, 0.25A, 26W	115 Vac, $\pm 10\%$ , 48-440 Hz, 0.25A, 26W

**OUTPUT:**

<b>6212A</b>	<b>6214B</b>
0 to 100 Vdc, 0 to 0.1 A	0 to 10 Vdc, 0 to 1A
<b>6216B</b>	<b>6218B</b>
0 to 25 Vdc, 0 to 0.4 A	0 to 50 Vdc, 0 to 0.2 A

**LOAD REGULATION:**

**Constant Voltage** – Less than 4 mV (8 mV, 6212B) for a load current change equal to the current rating of the supply.

**Constant Current** – Less than 500  $\mu$ A for a load voltage change equal to the voltage rating of the supply.

**LINE REGULATION:**

**Constant Voltage** – Less than 4 mV for  $\pm 10\%$  change in the nominal line voltage at any output voltage and current within rating.

**Constant Current** – Less than 500  $\mu$ A for a  $\pm 10\%$  change in the nominal line voltage at any output voltage and current within rating.

**RIPPLE AND NOISE:**

**Constant Voltage** – Less than 200  $\mu$ V rms/1 mV p-p (dc to 20 MHz).

**Constant Current** – Less than 150  $\mu$ A p-p (dc to 20 MHz).

**TEMPERATURE RANGES:**

**Operating:** 0° to 55° C.

**Storage:** -40° to +75° C.

**TEMPERATURE COEFFICIENT:**

**Constant Voltage** – Less than 0.02% + 1 mV output change per degree centigrade change in ambient following 30 minutes warm-up.

**Constant Current** – Less than (see table) output change per degree centigrade change in ambient following 30 minutes warm-up.

<b>6212A</b>	–	0.5 mA
<b>6214B</b>	–	6 mA
<b>6216B</b>	–	2 mA
<b>6218B</b>	–	1 mA

**STABILITY:**

**Constant Voltage** – Less than 0.1% +5 mV total drift for 8 hours following 30 minutes warm-up at constant ambient, constant line voltage, and constant load.

**Constant Current** – Less than (see table) total drift for 8 hours following 30 minutes warm-up at constant ambient, constant line voltage, and constant load.

<b>6212B</b>	–	1.3 mA
<b>6214B</b>	–	15 mA
<b>6216B</b>	–	5 mA
<b>6218B</b>	–	2.5 mA

**TRANSIENT RECOVERY TIME:**

Less than 50  $\mu$ sec for output voltage recovery in constant voltage operation to within 15 mV of the nominal output voltage following a change in output current equal to the current rating of the supply.

**OVERLOAD PROTECTION:**

A fixed current limiting circuit protects the power supply for all overloads including a direct short circuit placed across the output terminals in constant voltage operation.

**METER:**

The front panel meter can be used as a voltmeter or an ammeter.

**OUTPUT CONTROLS:**

Concentric coarse and fine voltage controls and concentric coarse and fine current controls set desired output voltage/current. Meter switch selects voltage or current.

**OUTPUT TERMINALS:**

Three "five-way" output terminals are provided on the front panel. They are isolated from the chassis and either the positive or negative terminal may be connected to the chassis through a separate ground terminal.

**COOLING:**

Convection cooling is employed. The supply has no moving parts.

**SIZE:**

See Figure 2-1.

**WEIGHT:**

4.75 lbs./1.2 kg. net, 6.75 lbs./3.1 kg. shipping.

**FINISH:**

Dark gray.

**POWER CORD:**

A 3-wire, 5 foot (1.52 cm) power cord is provided with each unit.