

INPUT:**6212C**

115 Vac, $\pm 10\%$, 48-440 Hz, 0.29A, 28W

6216C

115 Vac, $\pm 10\%$, 48-440 Hz, 0.25A, 26W

6214C

115 Vac, $\pm 10\%$, 48-440 Hz, 0.3A, 28W

6218C

115 Vac, $\pm 10\%$, 48-440 Hz, 0.25A, 26W

OUTPUT:**6212C**

0 to 100 Vdc, 0 to 0.1 A

6216C

0 to 25 Vdc, 0 to 0.4 A

6214C

0 to 10 Vdc, 0 to 1A

6218C

0 to 50 Vdc, 0 to 0.2 A

LOAD REGULATION:

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

Constant Current – Less than 500 μA 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 μA for Models 6212C, 16C, 18C and less than 750 μA for Model 6214C for a $\pm 10\%$ change in the normal line voltage at any output voltage and current within rating.

RIPPLE AND NOISE:

Constant Voltage – Less than 200 μV rms/1 mV p-p (dc to 20 MHz).

Constant Current – Less than 150 μA rms/500 μA 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.

6212C	–	0.5 mA
6214C	–	6 mA
6216C	–	2 mA
6218C	–	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.

6212C	–	1.3 mA
6214C	–	15 mA
6216C	–	5 mA
6218C	–	2.5 mA

TRANSIENT RECOVERY TIME:

Less than 50 μsec for output voltage recovery in constant voltage operation to within 15 mV of the nominal output voltage following a change in output current from 50% to 100% of the current rating of the supply and vice-versa.

OVERLOAD PROTECTION:

The current limit circuit protects the power supply for all overloads including a direct short circuit placed across the output terminals.

METER:

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

OUTPUT CONTROLS:

The voltage control and current control 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./2,2 kg. net, 6.75 lbs./3,1 kg. shipping.

FINISH:

Moss Gray Case, mint front panel

POWER CORD:

A 3-wire, 5 foot (1,52 cm) power cord is provided with each unit.