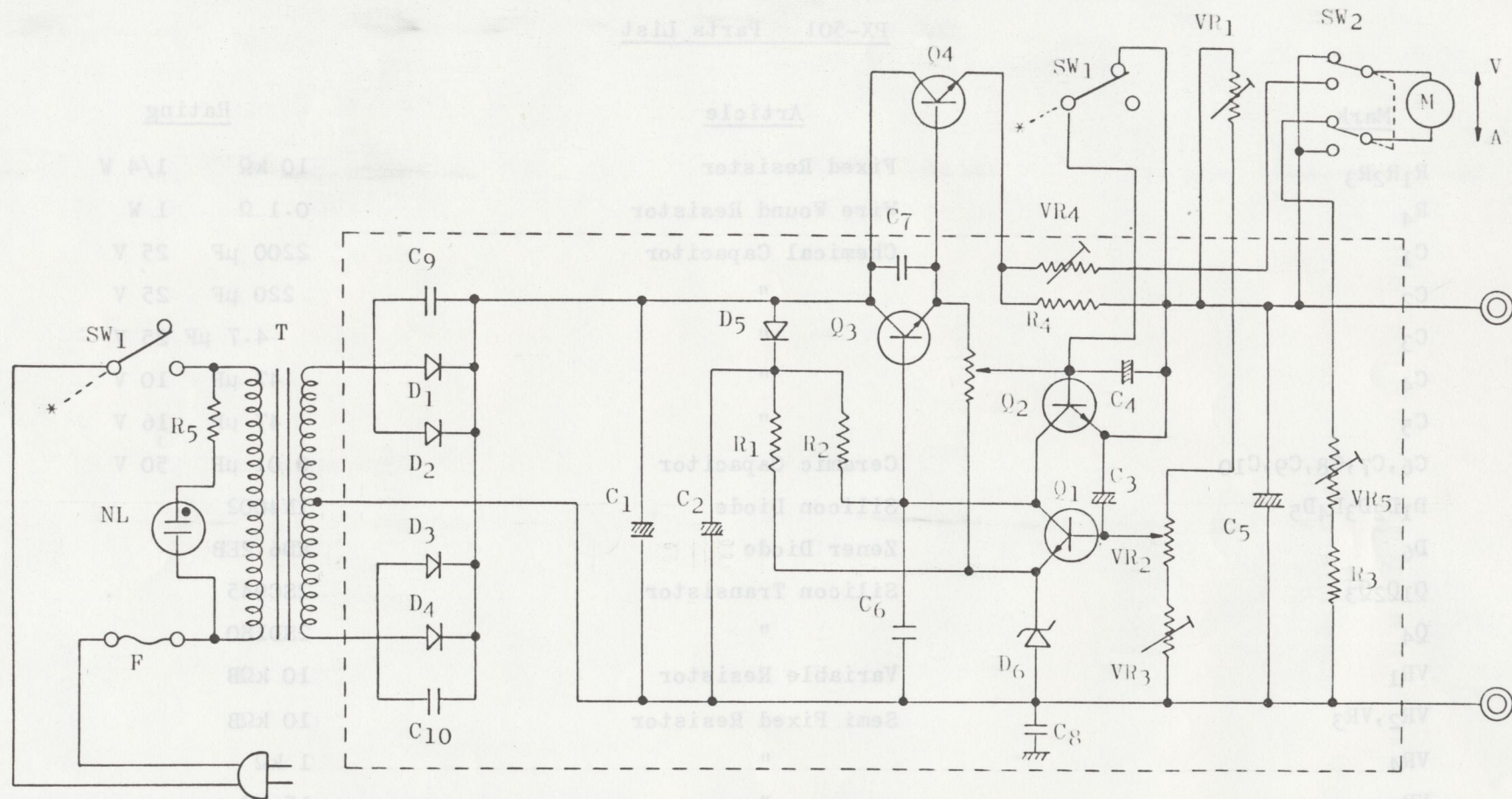


Kaiser

# MODEL PX-501 SCHEMATIC DIAGRAM



## SPECIFICATIONS

- |                         |                                                                       |
|-------------------------|-----------------------------------------------------------------------|
| 1. Input Power          | 100V, 117V, 220V or 240V AC 50/60Hz.                                  |
| 2. Output Voltage       | 10V ~ 15V DC Variable                                                 |
| 3. Output Current       | 3 Amps usual. 4 Amps surge.                                           |
| 4. Load Regulation      | 0.3V                                                                  |
| 5. Ripple Voltage       | About 2mV.                                                            |
| 6. Safety Guard Circuit | Output Voltage and electric current "Cut Off" when it is over 4 Amps, |

# PX-501 Parts List

| Mark                                                                            | Article             | Rating                 |
|---------------------------------------------------------------------------------|---------------------|------------------------|
| R <sub>1</sub> R <sub>2</sub> R <sub>3</sub>                                    | Fixed Resistor      | 10 kΩ 1/4 W            |
| R <sub>4</sub>                                                                  | Wire Wound Resistor | 0.1 Ω 1 W              |
| C <sub>1</sub>                                                                  | Chemical Capacitor  | 2200 μF 25 V           |
| C <sub>2</sub>                                                                  | "                   | 220 μF 25 V            |
| C <sub>3</sub>                                                                  | "                   | 4.7 μF 25 V            |
| C <sub>4</sub>                                                                  | "                   | 47 μF 10 V             |
| C <sub>5</sub>                                                                  | "                   | 47 μF 16 V             |
| C <sub>6</sub> ,C <sub>7</sub> ,C <sub>8</sub> ,C <sub>9</sub> ,C <sub>10</sub> | Ceramic Capacitor   | 0.01 μF 50 V           |
| D <sub>1</sub> D <sub>2</sub> D <sub>3</sub> D <sub>4</sub> D <sub>5</sub>      | Silicon Diode       | 1N4002                 |
| D <sub>6</sub>                                                                  | Zener Diode         | RD6.2EB                |
| Q <sub>1</sub> Q <sub>2</sub> Q <sub>3</sub>                                    | Silicon Transistor  | 2SC945                 |
| Q <sub>4</sub>                                                                  | "                   | 2SD180                 |
| VR <sub>1</sub>                                                                 | Variable Resistor   | 10 kΩB                 |
| VR <sub>2</sub> ,VR <sub>3</sub>                                                | Semi Fixed Resistor | 10 kΩB                 |
| VR <sub>4</sub>                                                                 | "                   | 1 kΩ                   |
| VR <sub>5</sub>                                                                 | "                   | 15 kΩ                  |
| T                                                                               | Power Transformer   | 220 V: 21 V x 2 4 Amps |
| SW <sub>1</sub>                                                                 | Main Switch         | 3 A 125 V              |
| SW <sub>2</sub>                                                                 | Meter Switch        | 0.5 A 125 V            |
| F                                                                               | Fuse                | 3 A                    |
| NL                                                                              | Neon Lamp           | 70 V 5 mA              |
| M                                                                               | Volt, Amp meter     | 20 V 5 A               |