



**DIODE AND TRANSISTOR IDENTIFICATION CHART**

| COMPONENT      | HEATH PART NO. | MAY BE REPLACED WITH | IDENTIFICATION |
|----------------|----------------|----------------------|----------------|
| D1 THROUGH D17 | 57-27          | 1N2071               |                |
| D18            | 56-26          | 1N191                |                |
| D19            | 56-24          | 1N458                |                |
| ZD1            | 56-609         | 1N2806A (8.2V, 1.5A) |                |
| Q1, Q2         | 417-294        | MPS442               |                |

NOTE: DIODES MAY BE SUPPLIED IN ANY OF THE FOLLOWING FIVE SHAPES. HEATH PART NUMBERS ARE STAMPED ON MOST DIODES.

**NOTES:**

1. ALL RESISTOR VALUES ARE IN OHMS (K-1,000; M-1,000,000).
2. ALL CAPACITOR VALUES ARE IN MICROFARADS UNLESS OTHERWISE MARKED (PF-PICOFARADS).
3. RELAY CONTACTS ARE IN THE INACTIVATED POSITION (RECEIVE OR EXCITER ONLY).
4. SWITCH CONTACTS ARE SHOWN REAR VIEW. THE SWITCH POSITION IS SHOWN IN THE KNOB VIEW. AN ARROW SHOWS SWITCH MOVEMENT WITH CLOCKWISE ROTATION OF THE KNOB.
5. REFER TO THE CHASSIS PHOTOGRAPHS AND X-RAY VIEWS FOR THE ACTUAL LOCATION OF PARTS.
6. K - 1,000
7. R21 IS COMPOSED OF FIFTEEN 1500Ω, 2-WATT RESISTORS CONNECTED IN PARALLEL TO FORM A 100Ω, 30 WATT RESISTANCE.
8. ○ - DC VOLTS AT 500MA PLATE CURRENT.
9. □ - DC VOLTS AT 25MA PLATE CURRENT.

**SCHEMATIC OF THE HEATHKIT®  
LINEAR AMPLIFIER  
MODEL SB-230**

