



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
KV - KILOVOLTS
M - 1,000,000
MH - MILLIHENRIES
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.
□ - DC VOLTS AT 25MA PLATE CURRENT.
▭ - CIRCUIT BOARD HOLE OR PIN.
9. GRID VOLTS - 110 WITH METER SWITCH AT "EXCITER ONLY".

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