



## ABC MODEL 7107

BASIC CIRCUITRY and DESIGN  
PATENT PENDING

### PARTS LIST

#### MODEL 7107 LINEAR

- |                                     |  |
|-------------------------------------|--|
| C1- Capacitor, .005 mfd, 3000 WV    | L1- Choke, 9 micro henry   |
| C2- Capacitor, .005 mfd, 3000 WV    | L2- Choke, 19 micro henry  |
| C3- Capacitor, 1.0 mfd, 150 WV      | L3- Coil, final tank   |
| C4- Capacitor, 5.0 mfd, 150 WV      | PC1- Parasitic choke, wound on 33,000 ohm<br>1 w. resistor   |
| C5- Capacitor, variable, 50-400 pf. | PC2- Parasitic choke, wound on 33,000 ohm<br>1 w. resistor   |
| C6- Capacitor, variable, 5-50 pf.   | RL1- Relay, keying, 400 ohm coil, 9 volts<br>Form A contact, 30 amp. part no. 88kdx                                      |
| C7- Capacitor, .005 mfd, 3000WV     | RL2- Relay, antenna, 9000 ohm coil, 2 form<br>C contacts part no. 200-2C4  |
| C8- Capacitor, .005 mfd, 3000WV     | 1 Bridge rectifier, composed of 800 PIV,<br>1 amp diodes, hooked up in series on<br>each leg, to give 1600 WV capability |
| C9- Capacitor, 30 mfd, 500 WV       | Q1- MPS 6518 transistor  |
| C10- Capacitor, 30 mfd, 500 WV      | Q2- Transistor, 2N4048   |
| C11- Capacitor, .001 mfd, 500 WV    | Q3- Transistor, 2N4048 Note: do not<br>substitute Q2 & Q3  |
| R1- Resistor, 560 ohm, 1/2 w.       | V1- 6LQ6 tube  |
| R2- Resistor, 330 ohm, 1/2 w.       | V2- 6LQ6 tube  |
| R3- Resistor, 7,500 ohm, 10 w.      | PL- Miniature pilot lights 12.6 v.   |
| R4- Resistor, 1 ohm, 10 w.          | J1- Antenna connector, transmitter input   |
| R5- Resistor, 1 ohm, 10 w.          | J2- Antenna connector, antenna output  |
| R6- Resistor, 75 ohm, 10 w.         | Z1- 18 v. 400 MW zenor diode part no. 1n-967   |
| R7- Resistor, 33,000 ohm, 2 w.      |  |
| R8- Resistor, 33,000 ohm, 2 w.      |  |
| S1- Switch, rocker, off-on          |  |
| S2- Switch, rocker, standby         |  |
| S3- Switch, rocker, am-ssb          |  |
| T1- Transformer, power part no. 107 |  |