

# What's new!

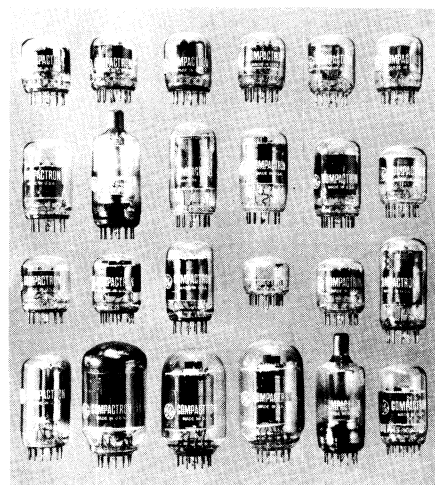
## 24 COMPACTRON TYPES NOW AVAILABLE

Compactrons . . . G.E.'s all-new 12-pin multi-function devices . . . provide increased reliability and more compact circuitry than tubes or transistors. This is accomplished, partly, by combining several functions into a single, low-profile envelope requiring fewer pins, stems, sockets, welds and handling operations. In a typical AC-DC radio, 3 compactrons do the job of 6 tubes or 8 transistors . . . and do it cheaper and easier. Compactrons use about 35% less power than tubes to perform a given function, yet they deliver more power output. Larger bulb diameter and 12-pin stems decrease bulb temperature about 15%, as compared to similar conventional tube types. The result: increased life expectancy and greater reliability.

Servicing will be easier because less wiring and fewer solder connections are necessary with compactrons. The large-diameter pin circle reduces clustering of components, gives more space for wiring and increases the arc-over rating to more than 10,000 volts.

Some of today's newest equipment features compactrons . . . TV sets by 3 major manufacturers, portable halogen leak detectors, electronic street lighting controls, multiplex adapters, and single-sideband communication equipment. Basic specifications of the twenty-four types are shown at the right. Note that up to four circuit functions can be performed by a single compactron.

| TYPE  | SET MANUFACTURER         | DESCRIPTION                      | CHARACTERISTICS SIMILAR TO                                    | BASING | HEATER      |
|-------|--------------------------|----------------------------------|---------------------------------------------------------------|--------|-------------|
| 1AD2  | Experimental Circuits    | HV Diode                         | 1J3 High-Voltage Rectifier                                    | 12DQ   | 1.25V 0.2A  |
| 2AH2  | General Electric         | HV Diode                         | 3A3 High-Voltage Rectifier                                    | 12DG   | 2.5V 0.3A   |
| 6AF11 | General Electric         | Dissimilar-Double-Triode Pentode | High-Mu Triode Section (Pins 5, 6, and 8) plus 6CX8           | 12DP   | 6.3V 1.05A  |
| 6AG11 | Experimental Circuits    | Duplex-Diode Twin Triode         | 12AT7 Twin Triode plus 6BW8 Diodes with Separate Cathodes     | 12DA   | 6.3V 0.75A  |
| 6AL11 | General Electric         | Dissimilar-Double-Pentode        | 6DT6 (Pins 2, 3, 4, 6, and 7) plus 6AQ5                       | 12BU   | 6.3V 0.9A   |
| 6AR11 | General Electric         | Double-Pentode                   | Two 6GM6 Pentodes                                             | 12DM   | 6.3V 0.8A   |
| 6AS11 | General Electric         | Dissimilar-Double-Triode Pentode | High-Mu Triode Section (Pins 5, 6, and 8) plus 6CX8           | 12DP   | 6.3V 1.05A  |
| 6AV11 | Muntz                    | Triple Triode                    | Three 12AU7 Triode Sections                                   | 12BY   | 6.3V 0.6A   |
| 6AX3  | General Electric & Muntz | Diode                            | 6AX4-GTB Damping Diode                                        | 12BL   | 6.3V 1.2A   |
| 6B10  | General Electric         | Duplex-Diode Twin Triode         | 12AU7 Twin Triode plus 6BW8 Diodes                            | 12BF   | 6.3V 0.6A   |
| 6C10  | Experimental Circuits    | Triple Triode                    | Three 12AX7 Triode Sections                                   | 12BQ   | 6.3V 0.6A   |
| 6D10  | Experimental Circuits    | Triple Triode                    | Three 12AT7 Triode Sections                                   | 12BY   | 6.3V 0.45A  |
| 6FJ7  | General Electric         | Dissimilar-Double Triode         | 6DN7 Vertical Oscillator (Pins 9, 10, and 11) and Amplifier   | 12BM   | 6.3V 0.9A   |
| 6G11  | General Electric         | Dissimilar-Double Pentode        | 6DT6 (Pins 2, 3, 4, 6 and 7) plus 6CU5                        | 12BU   | 6.3V 1.2A   |
| 6GE5  | General Electric & Muntz | Beam Pentode                     | 6DQ6B Hor. Defl. Amp.                                         | 12BJ   | 6.3V 1.2A   |
| 6GF5  | General Electric & Muntz | Beam Pentode                     | 6DQ6B Hor. Defl. Amp.                                         | 12BJ   | 6.3V 1.2A   |
| 6JT1  | Muntz                    | Twin Pentode                     | Two 6EW6 Pentodes                                             | 12BW   | 6.3V 0.4A   |
| 6K11  | Admiral                  | Three-Section Triode             | One 12AU7 Section (Pins 4, 9, and 10) plus two 12AX7 Sections | 12BY   | 6.3V 0.6A   |
| 6M11  | Experimental Circuits    | Twin-Triode Pentode              | Two 12AT7 Sections plus 6EW6 Pentode                          | 12CA   | 6.3V 0.75A  |
| 8B10  | General Electric         | Duplex-Diode Twin-Triode         | 6B10                                                          | 12BF   | 8.5V 0.45A  |
| 12AX3 | General Electric         | Diode                            | 6AX3                                                          | 12BL   | 12.6V 0.6A  |
| 12GE5 | General Electric         | Beam Pentode                     | 6GE5                                                          | 12BJ   | 12.6V 0.6A  |
| 17AX3 | General Electric         | Diode                            | 6AX3                                                          | 12BL   | 16.8V 0.45A |
| 17GE5 | General Electric         | Beam Pentode                     | 6GE5                                                          | 12BJ   | 16.8V 0.45A |



Compactrons are produced in various sizes and shapes.

