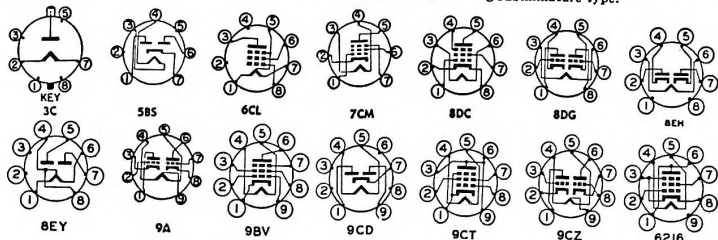


| Tube Type | Classification by Construction             | Base Connections | Outline Dwg | Type Cathode | Filament Volts | Filament Amp | Max Plate Volts                                                                                     | Max Screen Volts | Capacitance in Micromicrofarads |                  |            |
|-----------|--------------------------------------------|------------------|-------------|--------------|----------------|--------------|-----------------------------------------------------------------------------------------------------|------------------|---------------------------------|------------------|------------|
|           |                                            |                  |             |              |                |              |                                                                                                     |                  | Input                           | Output           | Grid-plate |
| 6184 Ⓢ    | UHF Twin Diode                             | 8EH              | T-X         | Htr          | 6.3            | 0.15         | Tube Voltage Drop: ⬥<br>5.0 v at 8.0 ma                                                             |                  |                                 |                  |            |
| 6193 Ⓢ    | High-Frequency Twin Triode                 | 8DG              | 3-3         | Htr          | 6.3            | 0.3          | 250                                                                                                 | —                | 2.75                            | 2.20             | 1.46       |
| 6195 Ⓢ    | Beam Power Amplifier                       | 6CL              | T-X         | Fil          | 1.25<br>2.5 DC | 0.22<br>0.11 | 180                                                                                                 | 150              | 2.4                             | 1.3              | 0.045      |
| 6197      | Sharp-Cutoff Power Amplifier Pentode       | 9BV              | 6-3         | Htr          | 6.3            | 0.65         | 300 Ⓢ                                                                                               | 250 Ⓢ            | —                               | —                | —          |
| 6201      | High-Frequency Twin Triode (Special 12AT7) | 9A               | 6-2         | Htr          | 12.6<br>6.3    | 0.15<br>0.3  | 300                                                                                                 | —                | 2.5 ▲                           | 0.45 ▲<br>0.38 ▲ | 1.6 ▲      |
| 6202      | Full-Wave High-Vacuum Rectifier            | 5BS              | 5-3         | Htr          | 6.3            | 0.6          | Tube Voltage Drop: ⬥<br>22 v at 50 ma d-c                                                           |                  |                                 |                  |            |
| 6203      | Full-Wave High-Vacuum Rectifier            | 9CD              | 6-3         | Htr          | 6.3            | 0.9          | Tube Voltage Drop: ⬥<br>22 v at 70 ma d-c                                                           |                  |                                 |                  |            |
| 6205 Ⓢ    | Sharp-Cutoff RF Pentode                    | 8DC              | 3-1         | Htr          | 6.3            | 0.15         | 165 Ⓢ                                                                                               | 155 Ⓢ            | 4.2                             | 3.4              | 0.015 ⬥    |
| 6206 Ⓢ    | Semi-Remote-Cutoff RF Pentode              | 8DC              | 3-1         | Htr          | 6.3            | 0.15         | 165 Ⓢ                                                                                               | 155 Ⓢ            | 4.2                             | 3.4              | 0.015 ⬥    |
| 6211      | Medium-Mu Twin Triode                      | 9A               | 6-2         | Htr          | 12.6<br>6.3    | 0.15<br>0.3  | 200 Ⓢ                                                                                               | —                | 2.9 ▲                           | 0.54 ▲<br>0.46 ▲ | 2.22 ▲     |
| 6215      | Half-Wave High-Voltage Rectifier           | 3C               | T-X         | Fil          | 1.25           | 0.2          | Tube Voltage Drop:<br>56 v at 2.0 ma d-c                                                            |                  |                                 |                  |            |
| 6216      | Beam Power Amplifier                       | 6216             | 6-3         | Htr          | 6.3            | 1.2          | 300                                                                                                 | 200              | 12.3 ▲                          | 6.7 ▲            | 0.37 ⬥ ▲   |
| 6247 Ⓢ    | High-Mu Triode                             | 6247             | 3-2         | Htr          | 6.3            | 0.2          | 275 Ⓢ                                                                                               | —                | —                               | —                | —          |
| 6266      | Sharp-Cutoff RF Pentode (Special 6BH6)     | 7CM              | 5-2         | Htr          | 6.3            | 0.175        | 300                                                                                                 | 150              | 5.2 ▲                           | 4.4 ▲            | 0.004 ⬥ ▲  |
| 6287      | Beam Power Amplifier                       | 9CT              | T-X         | Htr          | 6.3            | 0.6          | 275 Ⓢ                                                                                               | 275 Ⓢ            | 8.0 ▲                           | 9.0 ▲            | 1.1 ⬥ ▲    |
| 6305      | Half-Wave High-Voltage Rectifier           | 6305             | T-X         | Htr          | 4.0            | 0.5          | —                                                                                                   | —                | —                               | —                | —          |
| 6325      | Full-Wave High-Vacuum Rectifier            | 6325             | T-X         | Htr          | 6.3            | 2.7          | —                                                                                                   | —                | —                               | —                | —          |
| 6360      | Medium-Mu Twin Triode                      | 9CZ              | 6-3         | Htr          | 6.3<br>12.6    | 0.6<br>0.3   | 300                                                                                                 | —                | 3.6 ▲                           | 0.6 ▲            | 3.2 ▲      |
| 6352 Ⓢ    | Temperature-Limited Twin Diode             | 8EY              | 3-2         | Fil          | 3.0<br>AC      | 0.36         | Max filament voltage Ⓢ = 4.0 a-c<br>Max plate voltage Ⓢ = 250 d-c<br>Max plate current Ⓢ = 1.1 ma Ⓢ |                  |                                 |                  |            |

Metal tubes are shown in bold-face type, miniature tubes in italics.

 $\Phi$  Subminiature type.

| Service                                             | Plate Volts                                                                                                                                                                                   | Screen Volts | Neg Grid Volts                               | Plate Milli-ampers  | Screen Milli-ampers   | R <sub>p</sub> Ohms                                                     | G <sub>m</sub> $\mu$ mbes | $\mu$ Factor                   | Load for Rated Out-put, Ohms | Power Out-put, Watts | Tube Type   |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------|---------------------|-----------------------|-------------------------------------------------------------------------|---------------------------|--------------------------------|------------------------------|----------------------|-------------|
| Full-Wave Rectifier                                 | Max d-c output current = 20 ma; max peak inverse voltage = 450 volts; max rms supply voltage per plate = 200 volts; max peak current per plate = 50 ma                                        |              |                                              |                     |                       |                                                                         |                           |                                |                              |                      | 6184 $\Phi$ |
| Class A Amplifier $\Phi$                            | 180<br>90                                                                                                                                                                                     | —            | 1.0<br>0.50                                  | 11.5<br>4.5         | —                     | 8,500<br>9,000                                                          | 6,500<br>5,800            | 55<br>50                       | —                            | —                    | 6193 $\Phi$ |
| Class A Amplifier                                   | 125                                                                                                                                                                                           | 125          | 7.5                                          | 9.0                 | 1.5                   | 120,000                                                                 | 2,100                     | —                              | —                            | —                    | 6195 $\Phi$ |
| Class A Amplifier                                   | 250                                                                                                                                                                                           | 150          | 3.0                                          | 30                  | 7.0                   | 90,000                                                                  | 11,000                    | —                              | —                            | —                    | 6197        |
| Class A Amplifier $\Phi$                            | 250<br>100                                                                                                                                                                                    | —            | R <sub>k</sub> = 200<br>R <sub>k</sub> = 270 | 10<br>3.3           | —                     | 10,900<br>14,300                                                        | 5,500<br>4,000            | 60<br>57                       | —                            | —                    | 6201        |
| Full-Wave Rectifier                                 | Max d-c output current = 50 ma; max peak inverse voltage = 1250 volts; rms supply voltage per plate = 325 volts; max peak current per plate = 200 ma                                          |              |                                              |                     |                       |                                                                         |                           |                                |                              |                      | 6202        |
| Full-Wave Rectifier                                 | Max d-c output current = 70 ma; max peak inverse voltage = 1250 volts; rms supply voltage per plate = 325 volts; max peak current per plate = 270 ma                                          |              |                                              |                     |                       |                                                                         |                           |                                |                              |                      | 6203        |
| Class A Amplifier                                   | 100                                                                                                                                                                                           | 100          | R <sub>k</sub> = 150                         | 7.5                 | 2.4                   | 260,000                                                                 | 5,000                     | —                              | —                            | —                    | 6205 $\Phi$ |
| Class A Amplifier                                   | 100                                                                                                                                                                                           | 100          | R <sub>k</sub> = 120                         | 7.2                 | 2.2                   | 260,000                                                                 | 4,500                     | —                              | —                            | —                    | 6206 $\Phi$ |
| Class A Amplifier $\Phi$ (Frequency Halter $\Phi$ ) | 100<br>150<br>150                                                                                                                                                                             | —<br>—<br>—  | R <sub>k</sub> = 470<br>0<br>10 $\Phi$       | 4.6<br>4.8*<br>0.1  | —                     | 7,500<br>R <sub>k1</sub> = 47,000 ohms<br>R <sub>k1</sub> = 47,000 ohms | 3,600                     | 27                             | —                            | —                    | 6211        |
| Half-Wave Rectifier                                 | Max d-c output current = 1.0 ma; max peak inverse voltage = 18,000 volts; max peak current = 8.0 ma                                                                                           |              |                                              |                     |                       |                                                                         |                           |                                |                              |                      | 6215        |
| Class A Amplifier Filter Reactor                    | 200<br>100                                                                                                                                                                                    | 100<br>100   | 6.0<br>3.0                                   | 47 $\uparrow$<br>72 | 2.0 $\uparrow$<br>3.0 | 38,000<br>18,500                                                        | 8,800<br>12,800           | —<br>R <sub>k1</sub> = 0.1 meg | 4,500                        | 3.8                  | 6216        |
| Class A Amplifier                                   | 250                                                                                                                                                                                           | —            | R <sub>k</sub> = 500                         | 4.2                 | —                     | 22,600                                                                  | 2,650                     | 60                             | —                            | —                    | 6247 $\Phi$ |
| Class A Amplifier                                   | 250                                                                                                                                                                                           | 150          | R <sub>k</sub> = 100                         | 7.4                 | 2.9                   | 1,000,000                                                               | 4,600                     | —                              | —                            | —                    | 6266        |
| Class A Amplifier                                   | 250                                                                                                                                                                                           | 250          | 12.5                                         | 46 $\uparrow$       | 5.0 $\uparrow$        | 55,000                                                                  | 4,100                     | —                              | 6,000                        | 4.5                  | 6287        |
| Half-Wave Rectifier                                 | Max d-c output current = 5 ma; max peak inverse voltage = 12,500 volts; max rms supply voltage = 5500 volts; max peak current = 40 ma                                                         |              |                                              |                     |                       |                                                                         |                           |                                |                              |                      | 6305        |
| Full-Wave Rectifier                                 | Max d-c output current $\square$ = 250 ma; max peak inverse voltage $\square$ = 2200 volts; rms supply voltage per plate $\square$ = 780 volts; max peak current per plate $\square$ = 550 ma |              |                                              |                     |                       |                                                                         |                           |                                |                              |                      | 6325        |
| Class A Amplifier $\Phi$                            | 150                                                                                                                                                                                           | —            | 5.0                                          | 11                  | —                     | 3,900                                                                   | 4,600                     | 18                             | —                            | —                    | 6360        |
| Control Service                                     | Plate voltage = 250 d-c thru 1 meg; plate current = 50 $\mu$ A $\Phi$                                                                                                                         |              |                                              |                     |                       |                                                                         |                           |                                |                              |                      | 6352 $\Phi$ |

$\Phi$  Per section.  
 $\square$  Absolute maximum rating.  
 $\Delta$  Without external shield.  
 $\uparrow$  Section 1.  
 $\downarrow$  Section 2.  
 $\dagger$  Approximate.  
 $\dagger$  Maximum.  
 $\dagger$  Plate supply voltage.  
 $\dagger$  Minimum.  
 $\dagger$  Zero Signal.  
 $\Phi$  For both sections.

