# General Purpose Tubes

| Code | Type | Cathode | | | Absolute Maximum Ratings | | | | | Average Characteristics — Class A | | | | | | Maximum Dimensions Inches | | Western Electric Socket | Basing Diagram Number | Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Volts | Amps. | Plate Volts | Scr. Volts | Plate Diss. Watts | Scr. Diss. Watts | Htr.-Cath. Volts | Plate Volts | Plate Cur. Ma. | Ampl. Fact. | Trans-cond. μmhos | Plate Res. Ohms | Power Output Watts | Height | Diam. | | | |
| 2C51 | Miniature Double Triode | H | 6.3 | 0.300 | 330 | — | 1.6 (per section) | — | 100 | 150 | 8.2 (per section) | 35 | 5500 | 6400 | — | 1 3/4 | 7/8 | 9-Pin Min. | 70 | 2C51 |
| 6AJ5 | Miniature Pentode | H | 6.3 | 0.175 | 200 | 155 | 1.85 | 0.55 | 100 | 28 | 3.0 | 250 | 2750 | 90000 | — | 1 3/4 | 3/4 | 7-Pin Min. | 74 | 6AJ5 |
| 6AK5 | Miniature Pentode | H | 6.3 | 0.175 | 200 | 155 | 1.85 | 0.55 | 100 | 120 | 7.5 | 1700 | 5000 | 340000 | — | 1 3/4 | 3/4 | 7-Pin Min. | 74 | 6AK5 |
| 6AS6 | Miniature Pentode | H | 6.3 | 0.175 | 200 | 155 | 1.85 | 0.85 | 100 | 120 | 5.2 | 480 | 3200 | 150000 | — | 1 3/4 | 3/4 | 7-Pin Min. | 75 | 6AS6 |
| 101D | Triode | O-F | 4.2 | 1.0 | 200 | — | 2.0 | — | — | 130 | 7.7 | 6.2 | 1070 | 5800 | .065 | 4 1/2 | 1 13/16 | 100L or 100R | 1 | 101D |
| 101F | Triode | O-F | 4.0 | 0.5 | 200 | — | 2.0 | — | — | 130 | 6.8 | 6.5 | 1120 | 5800 | .060 | 4 1/2 | 1 13/16 | 100L or 100R | 1 | 101F |
| 102D | Triode | O-F | 2.1 | 1.0 | 190 | — | — | — | — | 130 | 0.8 | 29.6 | 510 | 58000 | — | 4 1/2 | 1 13/16 | 100L or 100R | 1 | 102D |
| 102F | Triode | O-F | 2.1 | 0.5 | 190 | — | — | — | — | 130 | 0.85 | 31.0 | 620 | 50000 | — | 4 1/2 | 1 13/16 | 100L or 100R | 1 | 102F |
| 104D | Triode | O-F | 4.5 | 1.0 | 190 | — | — | — | — | 130 | 25 | 2.5 | 1180 | 2100 | .160 | 4 1/2 | 1 13/16 | 100L or 100R | 1 | 104D |
| 205F | Triode | O-F | 4.5 | 1.6 | 400 | — | 14 | — | — | 350 | 35 | 7.3 | 1870 | 3900 | — | 4 1/2 | 1 13/16 | 100M or 115B | 6 | 205F |
| 215A | Triode | O-F | 1.0 | 0.25 | 110 | — | 0.3 | — | — | 60 | 2.0 | 5.7 | 420 | 13500 | .0029 | 2 11/16 | 11/16 | 125B | 1 | 215A |
| 231D | Triode | O-F | 3.1 | 0.06 | 150 | — | — | — | — | 90 | 2.1 | 8.4 | 510 | 16300 | .0045 | 4 | 1 3/32 | 143B | 2A | 231D |
| 244A | Triode | H | 2.0 | 1.6 | 200 | — | 1.2 | — | 100 | 135 | 5.5 | 10.1 | 1010 | 10000 | .049 | 4 7/8 | 1 13/16 | 141A | 22 | 244A |
| 245A | Tetrode | H | 2.0 | 1.6 | 200 | 75 | — | — | 100 | 135 | 4.8 | 135 | 750 | 180000 | — | 5 1/4 | 1 13/16 | 141A | 23 | 245A |
| 246A | Tetrode | O-F | 3.3 | 0.1 | 180 | 67.5 | — | — | — | 135 | 1.5 | 285 | 390 | 725000 | — | 5 1/4 | 1 13/16 | 143B | 8 | 246A |
| 247A | Triode | H | 2.0 | 1.6 | 200 | — | 1.0 | — | 100 | 135 | 3.2 | 15.2 | 940 | 16000 | .037 | 4 7/8 | 1 13/16 | 141A | 22A | 247A |
| 252A | Triode | O-F | 5.0 | 2.0 | 550 | — | 38 | — | — | 450 | 60 | 5.1 | 3450 | 1500 | 7.0 | 6 3/4 | 2 7/16 | 143B | 2 | 252A |
| 257A | Triode | O-F | 3.1 | 0.06 | 150 | — | — | — | — | 90 | 2.1 | 8.4 | 510 | 16300 | .0045 | 4 9/16 | 1 3/32 | 143B | 11 | 257A |
| 259A | Tetrode | H | 2.0 | 1.6 | 275 | 100 | — | — | 100 | 180 | 5.5 | 550 | 1380 | 400000 | — | 5 1/4 | 1 13/16 | 141A | 23 | 259A |
| 259B | Tetrode | H | 2.0 | 1.6 | 275 | 100 | — | — | 100 | 180 | 5.5 | 550 | 1380 | 400000 | — | 5 1/4 | 1 13/16 | 141A | 23 | 259B |
| 262B | Triode | H | 10.0 | 0.32 | 200 | — | — | — | 30 | 135 | 2.8 | 15.7 | 900 | 17500 | .035 | 4 3/4 | 1 9/16 | 143B | 12 | 262B |
| 264C | Triode | O-F | 1.5 | 0.30 | 110 | — | — | — | — | 100 | 2.1 | 7.2 | 580 | 12400 | .033 | 4 | 1 3/16 | 143B | 2A | 264C |
| 271A | Triode | H | 5.0 | 2.0 | 500 | — | — | — | 100 | 400 | 37.5 | 8.3 | 2920 | 2830 | 2.8 | 6 3/4 | 2 7/16 | 141A | 22A | 271A |
| 272A | Triode | H | 10.0 | 0.32 | 200 | — | 1.4 | — | 100 | 140 | 5.4 | 5.6 | 750 | 7400 | .120 | 4 7/8 | 1 13/16 | 141A | 22 | 272A |
| 275A | Triode | O-F | 5.0 | 1.2 | 330 | — | 17 | — | — | 200 | 47 | 2.8 | 2770 | 1030 | 1.9 | 5 5/8 | 2 3/16 | 143B | 2 | 275A |
| 281A | Tetrode | O-F | 5.0 | 1.6 | 250 | 75 | — | — | — | 130 | 35 | 5.0 | 1470 | 3400 | 2.2 | 6 3/4 | 2 11/16 | 141A | 21 | 281A |
| 283A | Tetrode (Var. Mu) | H | 2.0 | 1.6 | 275 | 100 | — | — | 100 | 180 | 5.9 | 585 | 1360 | 430000 | — | 5 1/4 | 1 13/16 | 141A | 23 | 283A |
| 285A | Pentode | H | 2.0 | 1.6 | 275 | 220 | — | — | 100 | 180 | 8.8 | 135 | 880 | 153000 | .65 | 5 1/4 | 1 13/16 | 141A | 24 | 285A |
| 300B | Triode | O-F | 5.0 | 1.2 | 480 | — | 40 | — | — | 300 | 60 | 3.8 | 5400 | 700 | 6.0 | 6 1/2 | 2 7/16 | 100M or 143B | 50 | 300B |
| 309A | Pentode (Var. Mu) | H | 10.0 | 0.32 | 250 | 100 | — | — | 150 | 180 | 4.8 | 1100 | 1100 | 1000000 | — | 4 29/32 | 1 9/16 | 141A | 24A | 309A |