



# SUBMINIATURE TUBES



| TYPE                  | CONSTRUCTION | TYPICAL APPLICATION | HTR or FILAMENT |             |      | TERM. CONN. | MAX. DIMENSIONS Inches |             |            | PLATE VOLTS                                                        | GRID 1 VOLTS | GRID 2 VOLTS | GRID 3 VOLTS | PLATE CURR. ma. | GRID 2 CURR. ma. | AMP. FACT. | PLATE RESIST. meg. | MUT. COND. $\mu$ mhos | OUTPUT milliwatts                     | LOAD RESIST. meg. | TYPE                  |  |  |                     |
|-----------------------|--------------|---------------------|-----------------|-------------|------|-------------|------------------------|-------------|------------|--------------------------------------------------------------------|--------------|--------------|--------------|-----------------|------------------|------------|--------------------|-----------------------|---------------------------------------|-------------------|-----------------------|--|--|---------------------|
|                       |              |                     | Volts           | Ma.         | Type |             | Length                 | Width       | Thick-ness |                                                                    |              |              |              |                 |                  |            |                    |                       |                                       |                   |                       |  |  |                     |
| CK5884                | Dble. Tetr.  | Electrometer        | 1.25            | 10          | Fil  | 5K          | 1.625                  | .400        | .285       | 4.5                                                                | —3.0         |              |              | 0.02            |                  | 0.75       |                    | 15                    | Nom. $I_c^1 = 1 \times 10^{-14}$      |                   | CK5884                |  |  |                     |
| CK5885 <sup>7</sup>   | Dble. Tetr.  | Electrometer        | 1.25            | 20          | Fil  | 8CC         | 1.625                  | Dia. = .389 |            | 13.5                                                               | —3.0         |              |              | 0.185           |                  | 2.4        |                    | 160                   | Nom. $I_c^1 = 1 \times 10^{-12}$      |                   | CK5885 <sup>7</sup>   |  |  |                     |
| CK5886                | Pentade      | Electrometer        | 1.25            | 10          | Fil  | 5C          | 1.5                    | .400        | .285       | 10.5                                                               | 3            | Triade Cann. |              | 0.2             |                  | 2          |                    | 160                   | Max. $I_c^1 = 2 \times 10^{-13}$ amp. |                   | CK5886                |  |  |                     |
| CK5889                | Pentade      | Electrometer        | 1.25            | 7.5         | Fil  | 4G          | 1.6                    | Dia. = .400 |            | 12                                                                 | —2.0         | 4.5          |              | 0.005           | 0.005            |            | 18                 | 14                    | Max. $I_c^1 = 3 \times 10^{-15}$ omp. |                   | CK5889                |  |  |                     |
| CK5967 <sup>7</sup>   | Dble. Triode | R-F Amplifier       | 1.25            | 120         | Fil  | 8CK         | 1.75                   | Dia. = .400 |            | 45                                                                 | Rg = 5 meg.  |              |              | 3.0             |                  | 18         |                    | 2000                  | (Each Unit)                           |                   | CK5967 <sup>7</sup>   |  |  |                     |
| CK5968 <sup>7</sup>   | Dble. Triode | Mixer               | 1.25            | 120         | Fil  | 8CE         | 1.75                   | Dia. = .400 |            | 45                                                                 | 0            |              |              | 0.7             |                  | 45         |                    | 1300                  | (Each Unit)                           |                   | CK5968 <sup>7</sup>   |  |  |                     |
| CK5969 <sup>7</sup>   | Dble. Tetr.  | R-F Pwr. Amp.       | 1.25            | 200         | Fil  | 8CB         | 1.62                   | Dia. = .400 |            | 135                                                                | —3           | 45           |              | 6.0             | 0.5              |            |                    | 1700                  | (Each Unit)                           |                   | CK5969 <sup>7</sup>   |  |  |                     |
| CK5970 <sup>7</sup>   | Dble. Pent.  | R-F Amplifier       | 1.25            | 160         | Fil  | 8CD         | 1.75                   | Dia. = .400 |            | 45                                                                 | Rg = 5 meg.  | 45           |              | 3.0             | 0.9              |            | 0.17               | 1850                  | (Each Unit)                           |                   | CK5970 <sup>7</sup>   |  |  |                     |
| CK5971                | Triode       | Amp.-Osc.           | 1.25            | 80          | Fil  | 7CD         | 1.5                    | .385        | .285       | 135                                                                | —3           |              |              | 4.0             |                  | 23         |                    | 2150                  |                                       |                   | CK5971                |  |  |                     |
| CK5972 <sup>1</sup>   | Pentode      | R-F Amplifier       | 1.25            | 60          | Fil  | 5A          | 1.5                    | .400        | .300       | 67.5                                                               | Rg = 2 meg.  | 67.5         |              | 1.9             | 0.5              |            | 1.0                | 1150                  |                                       |                   | CK5972 <sup>1</sup>   |  |  |                     |
| CK5975                | Triode       | Amp.-Osc.           | 6.3             | 175         | Htr  | 7BB         | 1.5                    | Dia. = .400 |            | 100                                                                | Rk270        |              |              | 10              |                  | 17.5       |                    | 5100                  |                                       |                   | CK5975                |  |  |                     |
| CK5995                | Diode        | HW Rectifier        | 6.3             | 300         | Htr  | 7BA         | 1.75                   | Dia. = .400 |            | See Rectifier Tube Section for Characteristics                     |              |              |              |                 |                  |            |                    |                       |                                       |                   |                       |  |  | CK5995              |
| CK6021 <sup>7</sup>   | Dble. Triode | Voltage Amp.        | 6.3             | 300         | Htr  | 8CF         | 1 1/4                  | Dia. = .400 |            | See Reliable Cathode Type Subminiature Section for Characteristics |              |              |              |                 |                  |            |                    |                       |                                       |                   |                       |  |  | CK6021 <sup>7</sup> |
| CK6029                | Triode       | UHF Osc.            | 1.25            | 200         | Fil  | 4A          | 1.5                    | .385        | .285       | 90                                                                 | —4           |              |              | 11              |                  | 8.5        |                    | 2000                  |                                       |                   | CK6029                |  |  |                     |
| CK6050                | Triode       | UHF Osc.            | 1.25            | 120         | Fil  | 4A          | 1.5                    | .385        | .285       | 135                                                                | —5           |              |              | 4.0             |                  | 16         |                    | 1600                  |                                       |                   | CK6050                |  |  |                     |
| CK6051                | Pentode      | Power Amp.          | 1.25            | 100         | Fil  | 5L          | 1.5                    | .385        | .285       | 45                                                                 | —4           | 45           |              | 3.0             | 0.9              |            | 0.035              | 1200                  | 50                                    | 0.02              | CK6051                |  |  |                     |
| CK6088                | Pentode      | Power Amp.          | 1.25            | 20          | Fil  | 5F          | 1.5                    | .385        | .285       | 45                                                                 | —1.25        | 45           |              | 0.55            | 0.135            |            | 0.85               | 550                   | 9.5                                   | 0.2               | CK6088                |  |  |                     |
| CK6092                | Pentode      | Power Amp.          | 1.25            | 50          | Fil  | 5F          | 1.5                    | .385        | .285       | 67.5                                                               | —6.5         | 67.5         |              | 2.9             | 0.8              |            |                    | 750                   | 80                                    | 0.02              | CK6092                |  |  |                     |
| CK6110 <sup>7</sup>   | Dble. Diode  | FW Rectifier        | 6.3             | 150         | Htr  | 8CH         | 1 1/4                  | Dia. = .400 |            | See Rectifier Tube Section for Characteristics                     |              |              |              |                 |                  |            |                    |                       |                                       |                   |                       |  |  | CK6110 <sup>7</sup> |
| CK6111 <sup>7</sup>   | Dble. Triode | Voltage Amp.        | 6.3             | 300         | Htr  | 8CF         | 1 1/4                  | Dia. = .400 |            | See Reliable Cathode Type Subminiature Section for Characteristics |              |              |              |                 |                  |            |                    |                       |                                       |                   |                       |  |  | CK6111 <sup>7</sup> |
| CK6112 <sup>7</sup>   | Dble. Triode | Voltage Amp.        | 6.3             | 300         | Htr  | 8CF         | 1 1/4                  | Dia. = .400 |            | See Reliable Cathode Type Subminiature Section for Characteristics |              |              |              |                 |                  |            |                    |                       |                                       |                   |                       |  |  | CK6112 <sup>7</sup> |
| CK6147 <sup>7-9</sup> | Beam Pentode | RF Pwr Amp.         | 1.25<br>2.5     | 125<br>62.5 | Fil  | 8CG         | 1.6                    | Dia. = .400 |            | 125                                                                | —7.5         | 125          |              | 5.5             | 0.9              |            | 0.175              | 1600                  |                                       |                   | CK6147 <sup>7-9</sup> |  |  |                     |
| CK6152                | Triode       | Amp.-Osc.           | 6.3             | 200         | Htr  | 7BB         | 1.5                    | Dia. = .400 |            | See Reliable Cathode Type Subminiature Section for Characteristics |              |              |              |                 |                  |            |                    |                       |                                       |                   |                       |  |  | CK6152              |
| CK6213                | Gas Diode    | Voltage Ref.        |                 |             | Cold | 3A          | 1 1/4                  | Dia. = .400 |            | See Voltage Reference Tube Section for Characteristics             |              |              |              |                 |                  |            |                    |                       |                                       |                   |                       |  |  | CK6213              |