



# RECTIFIER TUBES



| TYPE                      | CONSTRUCTION              | HEATER or FILAMENT |            |            | BASING   | MAX. DIMENSIONS<br>Inches |                     | MAX. PEAK<br>INVERSE<br>VOLTAGE | MAX. PEAK<br>PLATE<br>CURRENT<br>PER PLATE | MAX. DC<br>OUTPUT<br>CURRENT | AVERAGE<br>TUBE<br>DROP<br>Volts | BASE           | TYPE                      |
|---------------------------|---------------------------|--------------------|------------|------------|----------|---------------------------|---------------------|---------------------------------|--------------------------------------------|------------------------------|----------------------------------|----------------|---------------------------|
|                           |                           | Volts              | Amps.      | Type       |          | Height                    | Diam.               |                                 |                                            |                              |                                  |                |                           |
| <b>BH</b>                 | Full Wave—Gos             |                    |            | Cold       | 8EC      | 4 3/8                     | 1 13/16             | 1,000                           | 400 ma.                                    | 125 ma.                      | 90                               | 4-pin          | <b>BH</b>                 |
| <b>0Z4A/<br/>CK1003</b>   | Full Wave—Gas             |                    |            | Cold       | 8XA      | 2 3/4                     | 1 5/16              | 880                             | 330 ma.                                    | 110 ma.                      | 24                               | Octal          | <b>0Z4A/<br/>CK1003</b>   |
| <b>2X2A</b>               | Half Wave—High Vacuum     | 2.5                | 1.75       | Htr        | 8ED      | 4 17/32                   | 1 9/16              | 12,500                          | 60 ma.                                     | 7.5 ma.                      |                                  | 4-pin          | <b>2X2A</b>               |
| <b>3B24W</b>              | Half Wave—High Vacuum     | 2.5<br>5.0         | 3.0<br>3.0 | Htr<br>Fil | 8EA      | 4 13/16                   | 1 1/2               | 20,000<br>20,000                | 150 ma.<br>300 ma.                         | 30 ma.<br>60 ma.             |                                  | 4-pin          | <b>3B24W</b>              |
| <b>3B26</b>               | Clipper Diode—High Vacuum | 2.5                | 4.75       | Htr        | 8X       | 4 3/8                     | 1 5/16              | 15,000                          | 8 amp.                                     | 20 ma.                       | 130                              | Octal          | <b>3B26</b>               |
| <b>3B29</b>               | Half Wave—High Vacuum     | 2.5                | 4.75       | Htr        | See Data | 5 3/8                     | 1 9/16              | 16,000                          | 250 ma.                                    | 65 ma.                       | 130                              | 4-pin          | <b>3B29</b>               |
| <b>4B31</b>               | Clipper Diode—High Vacuum | 5.0                | 5.25       | Htr        | See Data | 6 3/4                     | 2 9/16              | 16,000                          | 16 amp.                                    | 60 ma.                       | 150                              | Jumbo 4-pin    | <b>4B31</b>               |
| <b>5R4GY</b>              | Full Wave—High Vacuum     | 5.0                | 2.0        | Fil.       | 8WB      | 5 3/16                    | 2 1/16              | 2,800                           | 650 ma.                                    | 175 ma.                      |                                  | Octal          | <b>5R4GY</b>              |
| <b>5R4WGY</b>             | Full Wave—High Vacuum     | 5.0                | 2.0        | Fil.       | 8WB      | 5 3/16                    | 2 1/16              | 2,800                           | 650 ma.                                    | 175 ma.                      |                                  | Octal          | <b>5R4WGY</b>             |
| <b>6X4W</b>               | Full Wave—High Vacuum     | 6.3                | 0.6        | Htr        | 9Q       | 2 3/8                     | 0.75                | 1,250                           | 210 ma.                                    | 70 ma.                       |                                  | Octal          | <b>6X4W</b>               |
| <b>6X5WGT</b>             | Full Wave—High Vacuum     | 6.3                | 0.6        | Htr        | 8XB      | 3 5/16                    | 1 5/16              | 1,250                           | 210 ma.                                    | 70 ma.                       | 22                               | Octal          | <b>6X5WGT</b>             |
| <b>RK72</b>               | Half Wave—High Vacuum     | 2.5                | 3.0        | Fil.       | 8EB      | 4 13/16                   | 1 1/2               | 20,000                          | 150 ma.                                    | 30 ma.                       | 200                              | 4-pin          | <b>RK72</b>               |
| <b>RK73</b>               | Half Wave—High Vacuum     | 2.5                | 4.25       | Fil.       | 8AB      | 4 3/8                     | 1 5/16              | 13,000                          | 3 amp.                                     | 20 ma.                       | 135                              | Octal          | <b>RK73</b>               |
| <b>RX120</b>              | Half Wave—Mercury, Argon  | 2.5                | 30.0       | Htr        | See Data | 8 15/16                   | 3 13/16             | 150                             | 120 amp.                                   | 20 amp.                      | 5                                | Mogul          | <b>RX120</b>              |
| <b>RX120A</b>             | Half Wave—Mercury         | 2.5                | 30.0       | Htr        | See Data | 8 15/16                   | 3 13/16             | 300<br>750                      | 120 amp.<br>120 amp.                       | 20 amp.<br>10 amp.           | 6<br>6                           | Mogul          | <b>RX120A</b>             |
| <b>RX212</b>              | Half Wave—Mercury         | 2.5                | 30.0       | Htr        | See Data | 12                        | 3 3/8               | 1,000                           | 120 amp.                                   | 20 amp.                      | 10                               | Mogul          | <b>RX212</b>              |
| <b>RX215</b>              | Full Wave—Mercury         | 2.5                | 30.0       | Htr        | See Data | 8                         | 3 3/8               | 500                             | 90 amp.                                    | 15 amp.                      | 10                               | S. Jumbo 4-pin | <b>RX215</b>              |
| <b>RK816</b>              | Half Wave—Mercury         | 2.5                | 2.0        | Fil.       | 8EB      | 4 11/16                   | 1 9/16              | 7,500                           | 500 ma.                                    | 125 ma.                      |                                  | 4-pin          | <b>RK816</b>              |
| <b>RK866A</b>             | Half Wave—Mercury         | 2.5                | 5.0        | Fil.       | 8EB      | 6 9/16                    | 2 7/16              | 10,000                          | 1 omp.                                     | 250 ma.                      | 15                               | 4-pin          | <b>RK866A</b>             |
| <b>RK872A</b>             | Half Wave—Mercury         | 5.0                | 7.5        | Fil.       | See Data | 8 1/2                     | 2 3/16              | 10,000                          | 5 omp.                                     | 1.25 omp.                    | 10                               | Jumbo 4-pin    | <b>RK872A</b>             |
| <b>CK1005</b>             | Full Wave—Gos             | 6.3                | 0.1        | Note Below | 8Y       | 2 3/8                     | 1 5/16              | 450                             | 210 ma.                                    | 70 ma.                       | 20                               | Octal          | <b>CK1005</b>             |
| <b>CK1006</b>             | Full Wave—Gos             | 1.75               | 2.0        | Note Below | 8EF      | 4 11/16                   | 1 13/16             | 1,600                           | 600 ma.                                    | 200 ma.                      | 20                               | 4-pin          | <b>CK1006</b>             |
| <b>CK1007</b>             | Full Wave—Gos             | 1.0                | 1.2        | Note Below | 8WA      | 2 3/8                     | 1 3/16              | 980                             | 330 ma.                                    | 110 ma.                      | 24                               | Octal          | <b>CK1007</b>             |
| <b>CK1012</b>             | Full Wave—Gos             | 1.75               | 2.0        | Note Below | 8EF      | 4 11/16                   | 1 13/16             | 1,200                           | 900 ma.                                    | 300 ma.                      | 25                               | 4-pin Med.     | <b>CK1012</b>             |
| <b>CK1024</b>             | Full Wave—Gas             |                    |            | Cold       | 8XA      | 2 3/8                     | 1 5/16              | 1,000                           | 480 ma.                                    | 175 ma.                      | 24                               | Octal          | <b>CK1024</b>             |
| <b>CK1028</b>             | Half Wave—Gas             | 6.3                | 0.55       | Fil.       | 8VA      | 2 3/4                     | 3/4                 | 2,500                           | 300 ma.                                    | 100 ma.                      | 15                               | 7-pin Min.     | <b>CK1028</b>             |
| <b>CK1036</b>             | Half Wave—Gas             |                    |            | Cold       | 5P       | 1 13/16                   | 0.400               | 1,500                           | 10 ma.                                     | 100 ma.                      |                                  | Flex. Leads    | <b>CK1036</b>             |
| <b>CK1042</b>             | Half Wave—Gas             |                    |            | Cold       | 5N       | 2 3/8                     | 0.400               | 2,800                           | 30 ma.                                     | 8 ma.                        | 120                              | Flex. Leads    | <b>CK1042</b>             |
| <b>1641/RK60</b>          | Full Wave—High Vacuum     | 5.0                | 3.0        | Fil.       | 8E       | 5 3/4                     | 2 1/16              | 4,500<br>2,500                  | 150 ma.<br>330 ma.                         | 50 ma.<br>250 ma.            | 60                               | 4-pin          | <b>1641/RK60</b>          |
| <b>CK5517</b>             | Half Wave—Gas             |                    |            | Cold       | 7CB      | 2 3/4                     | 3/8                 | 2,800                           | 100 ma.                                    | 12 ma.                       | 100                              | 7-pin Min.     | <b>CK5517</b>             |
| <b>CK5642</b>             | Half Wave—High Vacuum     | 1.25               | 0.14       | Fil.       | 5DB      | 2                         | 0.210               | 10,000                          | Television Pulse Rect.                     |                              |                                  | Flex. Leads    | <b>CK5642</b>             |
| <b>CK5785</b>             | Half Wave—High Vacuum     | 1.25               | 0.015      | Fil.       | 7F       | 1 1/2                     | W = 0.4<br>Th = 0.3 | 3,500                           | 450 ma.                                    | 100 ma.                      | 17                               | Flex. Leads    | <b>CK5785</b>             |
| <b>CK5995</b>             | Half Wave—Gas             | 6.3                | 0.3        | Htr        | 7BA      | 1 3/4                     | 0.400               | 850                             | 275 ma.                                    | 45 ma.                       | 25                               | Flex. Leads    | <b>CK5995</b>             |
| <b>CK6110<sup>7</sup></b> | Full Wave—High Vacuum     | 6.3                | 0.15       | Htr        | 8CH      | 1 3/8                     | 0.400               | 460                             | 26.5 ma.                                   | 8 ma.                        |                                  | Flex. Leads    | <b>CK6110<sup>7</sup></b> |
| <b>CK6174</b>             | Half Wave—Gas             |                    |            | Cold       | 7CB      | 2 3/4                     | 3/8                 | 2,800                           | 30 ma.                                     | 3 ma.                        | 100                              | 7-pin Min.     | <b>CK6174</b>             |

See page 3 for reference notes — See pages 18 and 19 for basing diagrams and terminal connections.  
This data is compiled as a Raytheon service to the field, it is not intended to indicate type availability.  
Note: May be used as ionic heated cathode rectifier under some conditions.