

| Specification DCD/CV1021/Issue 7<br>Dated 25.7.46.<br>To be read in conjunction with K1001. | <table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>RESTRICTED</td><td>RESTRICTED</td></tr> </table> | SECURITY |  | Specification | Valve | RESTRICTED | RESTRICTED |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|---------------|-------|------------|------------|
| SECURITY                                                                                    |                                                                                                                                                                     |          |  |               |       |            |            |
| Specification                                                                               | Valve                                                                                                                                                               |          |  |               |       |            |            |
| RESTRICTED                                                                                  | RESTRICTED                                                                                                                                                          |          |  |               |       |            |            |

→ Indicates a change

|                                        |  |  |  |                |            |                   |                   |      |
|----------------------------------------|--|--|--|----------------|------------|-------------------|-------------------|------|
| <u>TYPE OF VALVE</u> - L.F. Triode     |  |  |  | <u>MARKING</u> |            |                   |                   |      |
| <u>CATHODE</u> - Directly Heated       |  |  |  | See K1001/4    |            |                   |                   |      |
| <u>ENVELOPE</u> - Glass - unmetallised |  |  |  |                |            |                   |                   |      |
| <u>RATING</u>                          |  |  |  | Note           |            | <u>BASE</u>       |                   |      |
|                                        |  |  |  |                |            | B4                |                   |      |
| Filament Voltage (V)                   |  |  |  | 2.0            | A<br><br>A | Pin               | Electrode         |      |
| Filament Current (A)                   |  |  |  | 0.1            |            | 1                 | Anode             |      |
| Max. Anode Voltage (V)                 |  |  |  | 150            |            | 2                 | Grid              |      |
| Max. Anode Dissipation (W)             |  |  |  | 1.0            |            | 3                 | Filament negative |      |
| Mutual Conductance (mA/V)              |  |  |  | 1.1            |            | 4                 | Filament positive |      |
| Amplification Factor                   |  |  |  | 15             |            |                   |                   |      |
|                                        |  |  |  |                |            | <u>DIMENSIONS</u> |                   |      |
|                                        |  |  |  |                |            | See K1001/Al/D1   |                   |      |
|                                        |  |  |  |                |            | Dimension         | Min.              | Max. |
|                                        |  |  |  |                |            | A (mm)            | -                 | 104  |
|                                        |  |  |  |                |            | B (mm)            | -                 | 43   |
|                                        |  |  |  |                |            | C (mm)            | -                 | 36   |

NOTE

A: At  $V_a = 100$ ,  $V_g = 0$ .

To be performed in addition to those applicable  
in K1001

|   | Test Conditions                                                                 |                                     |    | Test                     | Limits |      | No.<br>Tested |
|---|---------------------------------------------------------------------------------|-------------------------------------|----|--------------------------|--------|------|---------------|
|   | Vf                                                                              | Va                                  | Vg |                          | Min.   | Max. |               |
| a | 2.0                                                                             | 0                                   | 0  | If (A)                   | 0.09   | 0.11 | 100%<br>or S  |
| b | 2.0                                                                             | 100                                 | 0  | Ia (mA)                  | 2.8    | 6.0  | 100%          |
| c | 2.0                                                                             | 100<br>Peak grid swing<br>±1V. max. | -  | gm (mA/V)                | 0.85   | 1.4  | 100%          |
| d | 2.0                                                                             | 100                                 | -2 | Reverse Ig<br>( $\mu$ A) | -      | 1.0  | 100%          |
| e | <u>NOISE.</u> The valve shall be tested for microphonic noise. See K1001/5.8.2. |                                     |    |                          |        |      | 100%          |