

ADMIRALTY SIGNAL AND RADAR ESTABLISHMENT

|  |                                      |                              |
|--|--------------------------------------|------------------------------|
| Specification AD/CV1206 Issue 3<br>Dated : 2.3.55.<br>To be read in conjunction with K1001 | <u>SECURITY</u>                      |                              |
|  | <u>Specification</u><br>Unclassified | <u>Valve</u><br>Unclassified |

|  |       |                                       |      |           |
|--|-------|---------------------------------------|------|-----------|
| <u>TYPE OF VALVE:</u> Transmitting Triode            |       | <u>MARKING</u><br>See K1001/4         |      |           |
| <u>CATHODE:</u> Directly heated, thoriated tungsten. |       |                                       |      |           |
| <u>ENVELOPE:</u> Glass                               |       |                                       |      |           |
| <u>PROTOTYPE:</u> D060, DA60                         |       |                                       |      |           |
| <u>RATING</u>  |       | <u>BASE</u><br>I4<br>See K1001/AIV/D6 |      |           |
|  |       | Note                                  |      |           |
| Filament Voltage (V)                                 | 6.0   | A<br>A                                | Pin  | Electrode |
| Filament Current (A)                                 | 4.0   |                                       |      |           |
| Max. Anode Voltage (V)                               | 400   |                                       |      |           |
| Amplification Factor                                 | 3.5   |                                       |      |           |
| Mutual Conductance, min. (mA/V)                      | 2.3   |                                       | 1    | Anode     |
| Slope resistance, max. (ohms)                        | 1,200 |                                       | 2    | Filament  |
| Anode Dissipation (W)                                | 60    |                                       | 3    | Filament  |
|  |       | 4                                     | Grid |           |
|  |       | <u>DIMENSIONS</u><br>See K1001/A.I/D1 |      |           |
|  |       | Dimension                             | Min. | Max.      |
|  |       | A mm.                                 | -    | 205       |
|  |       | B mm.                                 | -    | 80        |
| <u>NOTE</u>  |       |                                       |      |           |
| A. At $V_a = 400$ and $I_a = 150$ mA.                |       |                                       |      |           |

TESTS

To be performed in addition to those applicable in K1001

|   | Test Conditions                                      |                                |       |        | Test  | Limits |      | No. Tested   |
|---|--|--------------------------------|-------|--------|---|--------|------|--------------|
|   | Vf(V)  | Vg(V)                          | Va(V) | Ia(mA) |   | Min.   | Max. |              |
| a | 6.0  | -                              | -     | -      | If (A)  | 3.8    | 4.2  | 100%<br>or 5 |
| b | 6.0  | Ad-justed                      | 400   | 150    | -I <sub>g1</sub> (μA)   | -      | 10   | 100%         |
|   | Conditions maintained for 1 minute, or until steady. |                                |       |        |   |        |      |              |
| c | 6.0  | As obtained at end of test 'b' | 350   | -      | Change in I <sub>a</sub> from value in test 'b' = P (say) (mA)    | 4.2    | -    | 100%         |
| d | 6.0  | Ad-justed                      | 350   | 150    | (i) Change in V <sub>g</sub> from value in test 'c' = Q (say) (V) | 11     | 20   | 100%         |
|   |  |                                |       |        | (ii) $\frac{P}{Q}$ (mA/V)   | 2.3    |      | 100%         |

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