

Specification MAP/CV1568/Issue 7  
Dated 3.10.46  
To be read in conjunction with  
K1001 ignoring clause:- 5.2.

| <u>SECURITY</u>                    |                            |
|------------------------------------|----------------------------|
| <u>Specification</u><br>RESTRICTED | <u>Valve</u><br>RESTRICTED |

—————> Indicates a change

TYPE OF VALVE - Triode  
CATHODE - Directly heated  
thoriated tungsten  
ENVELOPE - Glass-Ummetallised

MARKING  
See K1001/4

| <u>RATING</u>                   |        |   | Note |
|---------------------------------|--------|---|------|
| Filament Voltage (V)            | 12.0   |   |      |
| Filament Current (A)            | 1.85   |   |      |
| Max. Anode Voltage (kV)         | 2.0    |   |      |
| Max. Anode Dissipation (W)      | 100    |   |      |
| Mutual Conductance (mA/V)       | 1.0    | A |      |
| Anode Impedance ( $\Omega$ )    | 22,000 | A |      |
| Amplification Factor            | 22     |   |      |
| Max. Operating Frequency (Mc/s) | 7.5    |   |      |

BASE  
I4

| Pin | Electrode |
|-----|-----------|
| 1   | Anode     |
| 2   | Filament  |
| 3   | Filament  |
| 4   | Grid      |

DIMENSIONS  
See K1001/AI/D1

| Dimension | Min. | Max. |
|-----------|------|------|
| A (mm)    | -    | 203  |
| B (mm)    | -    | 83   |

NOTE

A:  $V_a = 1 \text{ kV}$ ,  $V_g = 0$ .

To be performed in addition to those applicable in K.1001

|   | Test Conditions |                                                            |                                  | Test                                                                            | Limits |        | No.<br>Tested |
|---|-----------------|------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------|--------|--------|---------------|
|   | Vf (AC)         | Va                                                         | Vg                               |                                                                                 | Min.   | Max.   |               |
| a | 12.0            | 0                                                          | 0                                | If (A)                                                                          | 1.75   | 1.95   | 100%          |
| b | 12.0            | Anode and grid strapped 750 volts applied<br>See K1001 /A5 |                                  | Ie (A)                                                                          | 1.0    | -      | 100%          |
| c | 12.0            | 2000                                                       | -<br>Test operated for 4 minutes | Variation, after first minute, in Vg necessary to maintain dissipation of 100 W | -      | 10     | 100%          |
| d | 12.0            | 1000                                                       | -6                               | Ia (mA)                                                                         | 24     | 36     | 100%          |
| e | 12.0            | 1000                                                       | -6                               | Ra ( $\Omega$ )                                                                 | 17,000 | 27,000 | 100%          |
| f | 12.0            | 1000                                                       | -6                               | $\mu$                                                                           | 17     | 27     | 100%          |