MINISTRY OF SUPPLY (S.R.D.E.)

VALVE ELECTRONIC **CV1361** (AT20)

| Specification MOS/CV1361/Issue 4.<br>Dated: 19.6.46<br>To be read in conjunction with K1001. | SECURITY<br>Specification: Restricted<br>Valve: Restricted |
|---|---|

→ indicates a change

TYPE OF VALVE:- Transmitting triode
CATHODE:- Directly heated
ENVELOPE:- Glass-unmetallised
PROTOTYPE:- MZ05-20

MARKING
See K1001/4.

| RATING | | Note |
|---|---|---|
| Filament voltage (V) | 6.0 | |
| Filament current (A) | 1.1 | |
| Max. anode voltage | 600 | |
| Max. anode dissipation (W) | 20 | |
| Anode current (mA) | 45 | A |
| Mutual conductance (uA/V) | 3.2 | B |
| Amplification factor | 10 | B |
| Anode impedance (ohms) | 3200 | |
| Approx. total emission (A) | 0.6 | |
| **CAPACITANCES (pF)** | | |
| Cag | 8.5 | |
| Cae | 2.6 | |
| Cge | 6.6 | |

BASE
B4

| Pin | Electrode |
|---|---|
| 1 | Anode |
| 2 | Control grid |
| 3 | Filament |
| 4 | Filament |

DIMENSIONS
See K1001/A1/D1.

| Dimension | | Min | Max |
|---|---|---|---|
| A | mm | 158 | 165 |
| L | mm | 142 | 147 |
| B | mm | - | 67 |

NOTES

A. Measured at Va = 500, Vg = -30.
B. Measured at Va = 500, Vg = -27.5.

This valve type is obsolete and this specification is for record purposes only.

# CV1361

## TESTS

To be performed in addition to those applicable in K1001.

| | Test Conditions | | | | Test | Limits | | No. tested |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Min. | Max. | |
| a | See K1001/AIII. | | | | Capacitances (pF) | | | |
| | Links to H.P. | | Links to L.P. | Links to E. | | | | |
| | 1 | | 2 | 3,4,5,6, 7,8,9,10, TC1,TC2. | Cag | - | 11.5 | T.A. |
| | Vf | Va | Vg | Ia(mA) | | | | 100% |
| b | 6.0 | - | - | - | If (A) | 1.0 | 1.2 | or S |
| c | 6.0 | 500 | -30 | Read | Ia (mA) | 25 | 60 | 100% |
| d | 6.0 | 500 | -25 | Read | Ia change (mA) | 13 | 25 | 100% |
| | | | -30 | Read | | | | |
| e | 6.0 | Adjust | -25 | As in "c" | /u | 8 | 12 | 1% (20) |
| f | 6.0 | 500 | Adjust | 40 | Rev.Ig after 10 mins. (not rising). (uA) | - | 5.0 | 100% |
| g | 6.0 | 45 | 45 strapped | - | Ie (mA) | 100 | - | 100% |