

Specification MAP/CV1052/Issue 8 Dated 25.1.49 To be read in conjunction with K.1001.	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>RESTRICTED</td><td>UNCLASSIFIED</td></tr> </table>	SECURITY		Specification	Valve	RESTRICTED	UNCLASSIFIED
SECURITY							
Specification	Valve						
RESTRICTED	UNCLASSIFIED						

→ Indicates a change

<u>TYPE OF VALVE</u> - Pentode <u>CATHODE</u> : - Indirectly heated <u>ENVELOPE</u> : - Glass - unmetallised <u>PROTOTYPE</u> : - EL32			<u>MARKING</u> See K.1001/4	
			<u>PACKING</u> See K.1005	
<u>RATING</u>		Note	See K1001/A1/D2 M Dimension (It applies)	
			<u>BASE</u> I.O.	
			Pin	Electrode
Heater Voltage (V)	6.3	A A	1	No connection
Heater Current (A)	0.2		2	Heater
Max. Anode Voltage (V)	300		3	Anode
Max. Screen Voltage (V)	250		4	Screen grid
Max. Anode Dissipation (W)	7.5		5	No connection
Mutual Conductance (mA/V)	2.85		6	Pin omitted
Anode Impedance (Ω)	70,000		7	Heater
Max. Operating Frequency (Mc/s)	20		8	Cathode and suppressor grid
<u>CAPACITANCES (pF)</u>			T.C.	Control grid
C _{ae}	7.6		<u>TOP CAP</u> See K.1001/A1/D5.2.	
C _{ge}	4.4		<u>DIMENSIONS</u> See K.1001/A1/D1	
C _{ag}	0.5		Dimension	Min. Max.
			A (mm)	104 110
			B (mm)	28 36.5
			D (mm)	- 27
			H (mm)	53 75

NOTESA: $V_a = V_{g2} = 250V$, $V_{g1} = -18.5V$, $I_a = 30mA$.

TESTS

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

	Test Conditions					Test	Limits		No. Tested
							Min.	Max.	
a	Measured using Adaptor type 44. Ref. 10A/13340					<u>CAPACITANCES</u> (pF) <i>Ampl. 2.</i> 1. Cae 2. Cge 3. Cag	5.0 6.0	7.3, 8.35	6 per week
	See K.1001/AIII								
	Links to H.P.	Links to L.P.	Links to E						
	3	1,2,4, 5,7,8.	6,9,10. TC1, TC2						
	TC1	1,2,4, 5,7,8.	3,6,9,10 TC. 2						
	3	TC1	1,2,4,5,6 7,8,9,10 TC2				-	1.0	
b	Vh	Va	Vg2	Vg1	Ia(mA)	Ih (A)	0.18	0.22	100% or S
c	6.3	0	0	0	30	Vg1 (V)	-15	-22	100%
d	6.3	250	250	-	30	Ig2 (mA)	4.0	6.0	100% or S
e	6.3	250	250	-	30	Reverse Ig1 (μA)	-	2.5	100%
f	6.3	250	250	-	30	gm (mA/V)	2.3	-	100%
Peak grid swing $\pm$ 1.0V. max.									

ELECTRONIC VALVE SPECIFICATIONS

CV.1052 Issue 8 dated 25.1.49

Amendment No. 1

Page 1

Delete MINISTRY OF SUPPLY (D.C.D.)

Insert G.P.O.

October, 1961 G.P.O.; E-IN-C

N.4643

✓AAS

ELECTRONIC VALVE SPECIFICATIONS.

SPECIFICATION CV.1052 ISSUE 8 DATE 25.1.49.

Amendment No.2.

Page 2 Capacitances Cae

Amend the present limits of Min "6.0,"
Max "8.35" to read Min "5.0" Max "7.35"

September, 1962

TVC for
G.P.O.

N.40838

✓ AAB