VALVE ELECTRONIC **CV1652**

GENERAL POST OFFICE: E-IN-C (S)

(POVT 69)

Specification: G.P.O./CV 1652/Issue 1 Dated: 18-9-46 To be read in conjunction with K 1001	SECURITY Specification: **Restricted** Valve: **Restricted**

——→ indicates a change

TYPE OF VALVE: **Tricle**
CATHODE: **Directly heated**
ENVELOPE: **Unmetallised glass**
PROTOTYPE: **P 220 A**

MARKING

See K 1001/4

RATING

			Note
Filament voltage	(V)	2.0	
Nominal filament current	(A)	0.2	
Max. anode voltage	(V)	150	
Amplification factor		6.5	A
Mutual conductance	(mA/V)	3.5	A
Anode impedance	(ohms)	1850	A

CAPACITANCES (pF)

Cag	(nominal)	6.5
Cae	(nominal)	2.5
Cge	(nominal)	4.0

BASE

British 4-pin (B4)

CONNEXIONS

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

DIMENSIONS

See K 1001/A1/D1

Dimension		Min.	Max.
A	(mm)	-	121
B	(mm)	-	58

This valve type is obsolete and this specification is for record purposes only

NOTE

A. Measured with Va = 100, and Vg = -3.7

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
					Min.	Max.		
	See K 1001/A III			CAPACITANCES (pF)				
(a)	Links to H.P.	Links to L.P.	Links to E					
	1	2	3,4,5,6,7,8,9,10,TC1,TC2	(i) Cag	5.8	7.2	6 per week	
	1	3,4	2,5,6,7,8,9,10,TC1,TC2	(ii) Cae	2.1	2.9	6 per week	
	2	3,4	1,5,6,7,8,9,10,TC1,TC2	(iii) Cge	3.4	4.6	6 per week	
(b)	Test Voltage 250 Volts D.C.			INSULATION (megohms) (i) Anode to filament (ii) Between any other two electrodes	100 500	- 	1% 1%	
	Vf (V)	Va	Vg					
(c)	2.0	-	-	If (A)	0.16	0.24	100%	
(d)	2.0	100	-7.5	Ia (mA)	7.75	15.25	100%	
(e)	2.0	100	-7.5 / 0	gm (mA/V)	2.4	-	100%	
(f)	2.0	100	-7.5	Reverse Ig (µA)	-	1.5	100%	
(g)	2.0	0	-30	Reverse Ig (µA)	-	0.5	100%	