SPECIFICATION G.P.O./CV1672
ISSUE 2 DATED JANUARY, 1953.

AMENDMENT NO.1

Page 2

Test(j)

Amend maximum change in Ia to read 1.5 mA instead of 0.8 mA.

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

December, 1961.

6024

VALVE ELECTRONIC CV1672

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

(POVT 103B)

Specification: G.P.O./CV 1672/Issue 2 Dated: January, 1953 To be read in conjunction with K 1001	SECURITY	
	Specification	Valve
	Unclassified	Unclassified

——→ indicates a change

TYPE OF VALVE: Pentode
CATHODE: Indirectly heated
ENVELOPE: Unmetallised glass
PROTOTYPE Pen 36 C

MARKING

See K 1001/4

RATING			Note
Heater current	(A)	0.2	
Nominal heater voltage	(V)	35.0	
Max. anode voltage	(V)	250	
Max. screen voltage	(V)	250	
Max. anode dissipation	(W)	5.0	
Mutual conductance	(mA/V)	7.0	A
Anode impedance	(ohms)	35,000	A

BASE

British 7-pin (B7)

CONNEXIONS

Pin	Electrode
1	G3
2	G1
3	G2
4	Heater
5	Heater
6	Cathode
7	Anode

DIMENSIONS

See K 1001/A1/D1

Dimension	Min.	Max.
A (mm)	-	135
B (mm)	-	56

NOTE

A. Measured with Va = Vg2 = 200, Vg1 = - 8.5, and Ia = 45mA.

TESTS

To be performed in addition to those applicable in K 1001

TEST CONDITIONS						TEST	LIMITS		No. Tested	Note
	Ih	Va	Vg1	Vg2	Vg3		Min.	Max.		
(a)	0.2	-	-	-	-	Vh (V)	31.5	38.5	100%	1
(b)	0.2	Note 2	0	43	-	Ia (mA)	9.0	12.5	100%	1,2
(c)	0.2	Note 2	- 1	43	-	Ia (mA)	7.0	10.0	100%	1,2
(d)	0.2	Note 2	- 4	43	-	Ia (mA)	0.5	1.3	100%	1,2
(e)	0.2	Note 2	- 6	43	-	Ia (mA)	0	0.15	100%	1,2
(f)	0.2	Note 2	- 6	43	-	Ig2 (mA)	-	0.1	100%	1,2
(g)	0.2	Note 2	-0.8	43	-	Reverse Ig1 (μA)	-	2.0	100%	1,2
(h)	0.2	Note 2	-1	43	-25	Ia (μA)	-	50.0	100%	1,2
(j)	0.2	Note 2	0	43	0 - 2	Ia change (mA)	-	0.8	100%	1,2

NOTES

1. Before commencing the tests the valve shall be preheated for 15 minutes with 0.2 amps flowing through the heater.

2. Va = 43 volts applied through a resistance of 2600 ohms.