

VALVE ELECTRONIC CV1672

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

(POVT 103B)

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

---> indicates a change

<u>TYPE OF VALVE:</u> Pentode				<u>MARKING</u>			
<u>CATHODE:</u> Indirectly heated				See K 1001/4			
<u>ENVELOPE:</u> Unmetallised glass							
<u>PROTOTYPE</u> Pen 36 C							
<u>RATING</u>			Note		<u>BASE</u>		
					British 7-pin (B7)		
			A		<u>CONNECTIONS</u>		
Heater current (A)		0.2			Pin	Electrode	
Nominal heater voltage (V)		35.0			1	G3	
Max. anode voltage (V)		250			2	G1	
Max. screen voltage (V)		250			3	G2	
Max. anode dissipation (W)		5.0			4	Heater	
Mutual conductance (mA/V)		7.0			5	Heater	
Anode impedance (ohms)		35,000			6	Cathode	
			A		<u>DIMENSIONS</u>		
					See K 1001/A1/D1		
Dimension					Min.	Max.	
A (mm)					-	135	
				B (mm)		-	56
<u>NOTE</u>							
A. Measured with $V_a = V_{g2} = 200$, $V_{g1} = -8.5$, and $I_a = 4.5\text{mA}$.							

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
<i>Amld 2</i> (d)	0.2	Note 2	- 4	43	-	Ia (mA)	0.5	1.5 4.3	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
<i>Amld 1</i> (j)	0.2	Note 2	0	43	0 - 2	Ia change (mA)	-	1.5 0.8	100%	1,2

NOTES

- Before commencing the tests the valve shall be preheated for 15 minutes with 0.2 amps flowing through the heater.
- Va = 43 volts applied through a resistance of 2600 ohms.

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

28.2.1962
js.

ELECTRONIC VALVE SPECIFICATIONS

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

AMENDMENT NO. 2

Page 2. Test Clause (d).Ia

In the column headed "LIMITS Max." delete '1.3'
and substitute '1.8'.

June 1965
N.229635

T.V.C. for G.P.O.

VAAS
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