VALVE ELECTRONIC **CV 1650**

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

(POVT 66)

Specification: G.P.O./CV 1650/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: Triode
CATHODE: Directly heated
ENVELOPE: Unmetallised glass
PROTOTYPE: LS 5A

MARKING

See K 1001/4

RATING			Note
Filament current	(A)	0.85	
Nominal filament voltage	(V)	4.85	
Max. anode voltage	(V)	400	
Amplification factor		2.3	A
Anode impedance	(ohms)	2700	A
Mutual conductance	(mA/V)	0.85	A

CAPACITANCES (pF)		
Cag	(max)	10.0
Cae	(max)	10.0
Cge	(max)	10.0

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)	-	127
B	(mm)	-	64

This valve type is obsolete and this specification is for record purposes only

NOTE

A. Measured with Va = 150, and Vg = -22

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
					Min.	Max.		
(a)	See K 1001/A III			CAPACITANCES (pF)				
	Links to H.P.	Links to H.P.	Links to E					
	1	2	3,4,5,6,7,8,9,10,TC1,TC2	(i) Cag	-	10.0	6 per week	
	1	3,4	2,5,6,7,8,9,10,TC1,TC2	(ii) Cae	-	10.0	6 per week	
	2	3,4	1,5,6,7,8,9,10,TC1,TC2	(iii) Cge	-	10.0	6 per week	
(b)	Test Voltage 500 Volts D.C.			INSULATION (megohms) (i) Between any two electrodes	500	-	1%	
	If(A)	Va	Vg					
(c)	0.85	-	-	Vf (V)	4.5	5.2	100%	
(d)	0.85	150	- 22	Ra "x" (ohms)	2100	3300	100%	
(e)	0.8	150	- 22	Ra "y" (ohms)	-	1.2"x"	100%	1
(f)	0.85	150	- 22	μ	1.8	2.8	100%	
(g)	0.85	150	- 10	Reverse Ig (μA)	-	1.0	100%	

NOTE

1. Re-adjust If with Va = Vg = 0