VALVE ELECTRONIC CV 1636

(P O V T 24)

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

Specification: G.P.O./CV 1636/Issue 1 Dated: 6. 8. 46. To be read in conjunction with K 1001	SECURITY	
	Specification	Valve
	Restricted	Restricted

⟶ indicates a change

TYPE OF VALVE: Triode
CATHODE: Directly heated
ENVELOPE: Unmetallised glass
PROTOTYPE L S 5

MARKING

See K 1001/4

RATING

			Note
Filament current	(A)	0.82	
Nominal filament voltage	(V)	4.5	
Max. anode voltage	(V)	200	
Amplification factor		6.0	A
Mutual conductance	(mA/V)	2.0	A

CAPACITANCES (pF)

Cag	(max)	6.0
Cae	(max)	6.0
Cge	(max)	6.0

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This valve type is obsolete and this specification is for record purposes only.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 = -9

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS Min	LIMITS Max	No. Tested	Note
(a)	See K 1001/A III			CAPACITANCES (pF)				
	Links to HP	Links to LP	Links to E					
	1	2	3,4,5,6,7,8 9,10, TC1, TC2	(i) Cag	-	6.0	6 per week	
	1	3, 4	2,5,6,7,8, 9,10, TC1, TC2.	(ii) Cae	-	6.0	6 per week	
	2	3. 4	1,5,6,7,8, 9,10,TC1, TC2.	(iii) Cge	-	6.0	6 per week	
(b)	Test Voltage 500 Volts D.C.			INSULATION (megohms) Between any two electrodes	500	-	1%	
	If (A)	Va	Vg					
(c)	0.82	-	-	Vf (V)	4.2	4.8	100%	
(d)	0.82	150	-2	Reverse Ig (μA)	-	0.25	100%	
(e)	0.82	150	-9	Ra "x" (ohms)	5000	7000	100%	
(f)	0.78	150	-9	Ra "y" (ohms)	-	1.2"x"	100%	1
(g)	0.82	150	-9	μ	5.0	7.0	100%	
(h)	0.82	150	-30	Ia (μA)	-	200	100%	

NOTE

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