VALVE ELECTRONIC CV 1655

GENERAL POST OFFICE: E-in-C (S) (POVT 75, AR11)

Specification : G.P.O./CV/1655/Issue 1 Dated: 18.10.45 To be read in conjunction with K1001	SECURITY Specification: Restricted Valve: Restricted

indicates a change

TYPE OF VALVE: Triode CATHODE: Directly heated ENVELOPE: Unmetallised glass PROTOTYPE: 4019B	MARKING See K1001/4

RATING		Note
Filament current (A)	0.25	
Nominal filament voltage (V)	4.0	
Max. anode voltage (V)	190	
Mutual conductance (mA/V)	1.27	A
Amplification factor	7	A
Anode impedance (ohms)	5,500	A

CAPACITANCES (pF)		
Cag (max)	6.5	
Cae (max)	7.0	
Cge (max.)	9.0	

BASE

British 4-pin (B4)

CONNEXIONS

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

DIMENSIONS

See K1001/A1/D1

officially amended

Dimension	Min.	Max.
A (mm)	-	120
B (mm)	-	~~50~~ 46

NOTES

A. Measured with Va = 130 and Vg = −8

B. The plane of the anode and grid pins shall lie within 25° of the plane of the filament.

TESTS

To be performed in addition to those applicable in K1001

	TEST CONDITIONS See K1001/AIII			TEST	LIMITS		No. tested	Note
					Min.	Max.		
(a)	Links to H.P.	Links to L.P.	Links to E	CAPACITANCES (pF)				
	1	2	3,4,5,6,7,8,9,10, T.C.1, T.C.2	(i) Cag	–	6.5	6 per week	
	1	3,4	2,5,6,7,8,9,10 T.C.1, T.C.2	(ii) Cae	–	7.0	"	
	2	3,4	1,5,6,7,8,9,10 T.C.1, T.C.2	(iii) Cge	–	9.0	"	
	If (A) D.C	Va	Vg					
(b)	0.25	0	0	Vf (V)	3.7	4.3	100%	
(c)	0.25	130	-20	Ia (μA)	–	200	100%	
(d)	0.25	130	-8	μ	6.0	8.0	100%	
(e)	0.25	130	-8	Ra "X" (ohms)	4500	6500	100%	
(f)	0.25	130	-8	Reverse Ig (μA)	–	0.5	100%	
(g)	0.23	130	-8	Ra "Y" (ohms)	–	1.2 "X"	100%	1

NOTES

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