VALVE ELECTRONIC CV 1695

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

(POVT 133)

Specification: G.P.O./CV1695/ Issue 2 Dated: 10th March, 1948. To be read in conjunction with K 1001	SECURITY Specification: Restricted Valve: Restricted

⟶ indicates a change

TYPE OF VALVE: Double-diode
CATHODE: Indirectly heated
ENVELOPE: Unmetallised glass
PROTOTYPE D D L 13

MARKING
See K 1001/4

RATING			Note
Heater current	(A)	0.2	
Nominal heater voltage	(V)	13.0	
Max. diode voltage	(V)	200	
Max. mean diode current	(mA)	10.0	

BASE
British 5-pin (B5)

CONNEXIONS

Pin	Electrode
1	Diode 1
2	Diode 2
3	Heater
4	Heater
5	Cathode

DIMENSIONS
See K1001/A1/D1

Dimension	Min.	Max.
A (m m)	-	96
B (m m)	-	30

TESTS

To be performed in addition to those applicable in K1001

	TEST CONDITIONS					TEST	LIMITS Min.	LIMITS Max.	No. Tested	Note
(a)	Test Voltage 500 Volts D.C.					INSULATION (megohms) (i) Cathode to heater (ii) Diodes to cathode (iii) Between any other two electrodes (iv) Between any electrode and the metallic shell of the base.	- 100 500 500	- - - -	1% 1% 1% 1%	1, 2 1 1 1
	I h (A)	Id 1 (µA)	Id 2 (µA)	Vd 1 (V)	Vd 2 (V)					
(b)	0.2	-	-	-	-	Ageing (hours)	200	-	100%	3
(c)	0.2	-	-	-	-	Vh (V)	11.7	14.3	100%	1
(d)	0.2	1.0	-	Read	-	Vd 1 (V)	-0.3	-1.2	100%	1
(e)	0.2	-	1.0	-	Read	Vd 2 (V)	-0.3	-1.2	100%	1
(f)	0.2	Read	-	0 / 2	-	Id 1 change (mA)	3.5	-	100%	1
(g)	0.2.	-	Read	-	0 / 2	Id 2 change (mA)	3.5	-	100%	1

NOTES

1. Before commencing the test the valve shall be pre-heated for 15 minutes with 0.2 amps flowing through the heater.
2. To be performed in accordance with K1001/5.3
3. Ageing condition shall be applied with Diode 1 and Diode 2 strapped to Cathode, and shall be applied before all other tests.