VALVE ELECTRONIC **CV1713**

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

(POVT 164)

Specification: G.P.O./CV1713/Issue 1 Dated: 19.3.47 To be read in conjunction with K 1001	SECURITY Specification: Restricted Valve: Restricted

Indicates a change.

TYPE OF VALVE: R.F. Pentode
CATHODE: Indirectly heated
ENVELOPE: Metallised glass
PROTOTYPE: EF8

MARKING
See K1001/4

BASE
Side contact (SC8)

RATING

			Note
Heater voltage	(V)	6.3	
Nominal heater current	(A)	0.2	
Max. anode voltage	(V)	300.0	
Max. screen voltage	(V)	300.0	
Max. anode dissipation	(W)	2.5	
Mutual conductance	(m/A/V)	1.8	A
Anode impedance	(ohms)	450,000	A

CONNEXIONS

Pin	Electrode
1	Metallising
2	Heater
3	Heater
4	Cathode
5	G4
6	G2
7	G3
8	Anode
T.C.	G1

TOP CAP
See K1001/A1/D5.2

DIMENSIONS
See K1001/A1/D1

Dimension	Min.	Max.
A (mm)	-	90
B (mm)	-	32

This valve type is obsolete and this specification is for record purposes only.

NOTE

A. Measured with Va = Vg3 = 250, Vg2 = Vg4 = 0, and Vg1 = -2.5

To be performed in addition to those applicable in K1001

	TEST CONDITIONS						TEST	LIMITS		No. Tested	Note
	Vh(V)	Va	Vg1	Vg2	Vg3	Vg4		Min.	Max.		
(a)	6.3	-	-	-	-	-	Ih (A)	0.18	0.22	100%	1
(b)	6.3	250	-10.0	0	250	0	Ia (mA)	1.5	2.9	100%	1
(c)	6.3	250	-2.5	0	250	0	Ia (mA)	5.8	10.2	100%	1
(d)	6.3	250	-60.0	0	250	0	Ia (μA)	-	14.0	100%	1
(e)	6.3	250	-	0	250	0	Ig3 (mA)	0.11	0.25	100%	1,2
(f)	6.3	250	-	0	250	0	Reverse Ig (μA)	-	0.7	100%	1,2

NOTES

1. Before commencing the tests, the valve shall be pre-heated for 10 minutes, the heater voltage being adjusted to 6.3 volts with all other electrodes disconnected.

2. Measured with cathode resistance of 300 ohms, and 0.1 megohm resistance between grid and cathode.