VALVE ELECTRONIC CV1708

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

(POVT 159)

Specification: G.P.O./CV1708/Issue 1 Date: 19.3.47 To be read in conjunction with K 1001	SECURITY Specification: Restricted Valve: Restricted

( ) indicates a change

TYPE OF VALVE: Full wave vacuum rectifier CATHODE: Indirectly heated ENVELOPE: Unmetallised glass PROTOTYPE 80	MARKING See K1001/4

RATING			Note
Heater voltage	(V)	5.0	
Nominal heater current	(A)	2.0	
Max. anode voltage R.M.S.	(V)	400	
Max. rectified current	(mA)	110	A

BASE

U.S.Medium 4-pin (U.S.M.4)

CONNEXIONS

Pin	Electrode
1	Heater & Cathode
2	Anode 1
3	Anode 2
4	Heater

DIMENSIONS

See K1001/A1/D3

Dimension	Min.	Max.
A (mm)	-	112
B (mm)	-	46

NOTE

A. Measured with 400 volts R.M.S. per anode.

TESTS

To be performed in addition to those applicable in K1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
	Vh(V)	Va1(DC)	Va2(DC)		Min.	Max.		
(a)	5.0	-	-	Ih (V)	1.85	2.15	100%	1
(b)	5.0	75	-	Ie1 (mA)	120.0	155.0	100%	1
(c)	5.0	-	75	Ie2 (mA)	120.0	155.0	100%	1
(d)	5.0	550 volts R.M.S. per anode		Total rectified output current (mA)	130.0	-	100%	1,2

NOTES

1. Before commencing the tests, the valve shall be pre-heated for 10 minutes, the heater voltage being adjusted to 5 volts with all other electrodes disconnected.

2. This test shall be conducted in a bi-phase half-wave circuit, and its duration shall be 15 minutes. A reservoir capacitor of 4 μF, shunted by a load resistance of 4,000 ohms, shall be used.