VALVE ELECTRONIC CV 1611

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

(POVT 11)

Specification: G.P.O./CV 1611/Issue 2 Dated: 13-5-48 To be read in conjunction with K 1001	SECURITY Specification: Restricted Valve: Restricted

→ indicates a change

TYPE OF VALVE: Vacuum half-wave rectifier

CATHODE: Directly heated tungsten filament

ENVELOPE: Glass; double-ended

PROTOTYPE MR4

MARKING

See K1001/4

Additional markings required (See Notes A & B)

Serial No.....

Filament Volts 12.5

RATING

			Note
Filament voltage	(V)	12.5	
Nominal filament current	(A)	6.3	
→ Max. R.M.S. anode voltage	(kV)	10.0	
Max. peak inverse voltage	(kV)	30.0	
Max. anode dissipation	(W)	150	
Anode impedance	(ohms)	1500	C

BASE

None

CONNEXIONS

The anode lead shall be brought out at the opposite end of the valve from the filament leads. All leads shall be suitably insulated and bound to the lips of the valve, and the loose ends shall be not less than 6 inches in length.

DIMENSIONS

See K 1001/A1/D3

Dimension	Min.	Max.
A (mm)	-	265
B (mm)	-	128
C (mm)	-	56

PACKING

See K 1001/7.3

NOTES

A. The serial numbers will be allotted by the Inspecting Officer.

B. It is not essential that the additional markings shall appear within the frame.

C. Measured with Va = 200.

TESTS

To be performed in addition to those applicable in K 1001.

	TEST CONDITIONS		TEST	LIMITS		No. Tested	Note
	Vf (V)	Va (DC)		Min.	Max.		
(a)	12.5	-	If (A)	6.0	6.6	100%	
(b)	12.5	10 kV	D.C. output from 2 valves (mA)	160	-	100%	1

NOTE

1. This test shall be conducted in a bi-phase half-wave circuit and its duration shall be 30 minutes.

   No blue glow, sparking, or flash-over shall occur.