VALVE ELECTRONIC **CV 1608**

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

(POVT 17)

Specification: G.P.O./CV 1608/Issue 1 Dated: 23-9-46 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: Silica (tungsten seals)
PROTOTYPE ----

MARKING

See K 1001/4
Additional marking required (See notes A & B)
Serial No. .....

RATING

			Note
Filament current	(A)	40.0	
Nominal filament voltage	(V)	18.0	
Max. peak inverse voltage	(kV)	30.0	
Max. D.C. output voltage	(kV)	10.0	
Max. rectified output current	(A)	0.33	

BASE

None (flexible leads)

CONNEXIONS

The anode lead shall be brought out at one end of the valve and the filament leads at the other end.

The length of leads shall be at least 12 inches.

DIMENSIONS

Max. overall length excluding leads.	550 mm
Max. diameter	120 mm

NOTE

A. The Serial Numbers will be allotted by the Inspecting Officer.

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

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS		TEST	LIMITS		No. Tested	Note
	If (A)	Va (DC)		Min.	Max.		
(a)	40	-	Vf (V)	17.0	19.0	100%	
(b)	40	12.5 kV	D.C. output per valve (mA)	300	-	100%	1

NOTE

1. This test shall be conducted in a bi-phase half-wave circuit, and its duration shall be 30 minutes.
   No sparking or flash-over shall occur.