# VALVE ELECTRONIC CV 1601

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

(POVT 27)

Specification: G.P.O./CV 1601/Issue 1	SECURITY			
Dated: 12-12-46	Specification	Valve		
To be read in conjunction with K 1001	Restricted	Restricted		

indicates a change

TYPE OF VALVE: Vacuum half-wave rectifications: Directly heated tungsten file ENVELOPE: Metal-glass PROTOTYPE CAR1; 4008B	See K 1001/4 Additional markings required (See notes A,B,C) Serial No			
RATING	Note	BASE None		
Nominal filament current  (A)  Max. peak inverse voltage  (kV)  Max. D.C. output voltage  (kV)	AS AARKED B 55.0 37.5 12.5	CONNEXIONS  See drawing on page 3		
Max. rectified output current (A)  Max. anode dissipation (kW)  Min. rate of water flow (gals/min)	2.0	<u>DIMENSIONS</u> See drawing on page 3		
		PACKING See K 1001/7.3		

#### NOTES

- A. The serial numbers will be allotted by the Inspecting Officer.
- B. The Marked Voltage is defined on page 2, test (a).
- C. It is not essential that the additional markings shall appear within the frame.



TESTS

To be performed in addition to those applicable in K 1001

	TES CONDITI		TEST -		LIMITS		No.		
	Vf (V)	Va (DC)			Min.	Max.	Tested	Note	
(a)	Read	-	l l	required for ion of 6 amp "Marked Volt	os.	18.0	20.0	100/3	1
(b)	WV	-	If		(A)	50.0	61.0	100%	
(0)	ма	15 kV	D. C. output	per valve	(A)	2.0	<b>-</b>	100%	2

#### NOTES

- 1. (a) The voltage applied to the anode shall be sufficient to draw from the filament a peak emission of 6 amps.
  - The test shall be made in accordance with K 1001/A V
  - (b) Alternatively, the voltage applied to the anode shall be sufficient to draw from the filament a peak emission of 1 amp, and the filament voltage required for this emission shall be multiplied by 1.27 to determine the test result.
- 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.

## OUTLINE DRAWING

