VALVE ELECTRONIC CV 1613

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

(POVT 21)

Specification: G.P.O./CV1613/Issue 1

Dated: 19.3.47

To be read in conjunction with K 1CO1

SECURITY

Specification
Valve

Restricted

Restricted

_____ indicates a change

TYPE OF VALVE: Vacuum half-wave CATHODE: Directly heated ENVELOPE: Glass; double-en	MARKING See K1001/4 Additional markings required (See Notes A,B & Serial No						
RATING	٠		Note		SE lone		
Filament voltage Nominal filament current Max. peak inverse voltage Max. D.C. output voltage Max. rectified output current	(V) (A) (kV) (kV) (A)	As Marked 15.5 30.0 10.0	В	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 Kl001/Al/D3 Dimension Min. Max. A (mm) - 420 B (mm) - 135 C (mm) - 75 PACKING See Kl001/7.3			

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 KlOOl

	TEST CONDITIONS		Test	LIMITS		No.	
	If(A)	Va(DC)		Min.	Max.	Tested	Note
(a)	15.5	-	Vf (V) To be known as "Marked Voltage	14.5	16.5	100%	.
(ъ)	15.5	Read	Anode voltage required to produce anode current of 1 amp. (V)		1000	100%	
(0)	15.5	12 kV	D.C. output per valve (mA)	250	-	100%	1

NOTE

 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.