VALVE ELECTRONIC CV 1613

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

(POVT 21)

| Specification: G.P.O./CV1613/Issue 1 | SECURITY | | | |
|---------------------------------------|---------------|------------|--|--|
| Dated: 19.3.47 | Specification | Valve | | |
| To be read in conjunction with K 1001 | Restricted | Restricted | | |

indicates a change

| CATHODE: Directly heated | Directly heated tungsten filament Glass; double-ended | | | MARKING See KlOOl/4 Additional markings required (See Notes A,B & Serial No | | | |
|--|---|------|---|---|--|------------------------------------|--|
| Filament voltage (V) Nominal filament current (A) Max. peak inverse voltage (kV) Max. D.C. output voltage (kV) Max. rectified output current (A) O.25 | | Note | out a valve All I sulat the valve shall in le | CONNE anode lead at the oppose from the intended shall leads shall lead and bour raive, and be not lessingth. DIMENS See Klool/ mension (mm) (mm) (mm) | xIONS shall be site end filament be suita and to the the loose ss than 6 CIONS Al/D3 Alin. | of the leads. bly in- lips of ends | |

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 con | DITIONS | TEST | L IMITS | | No. | |
|-----|----------|---------|---|----------------|------|--------|------|
| | If(A) | Va(DC) | | Min. | Max. | Tested | Note |
| (a) | 15.5 | - | Vf (V) To be known as "Marked Voltag | 14.5 | 16.5 | 100% | |
| (b) | 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.