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

Specification: G.P.O. /CV438/ Issue 1	SECURITY			
Dated: April 1949.	<u>Specification</u>	Valve		
To be read in conjunction with K 1001 ignoring clauses 5.2 and 5.3	Restricted	Restricted		

indicates a change

PYPE OF VALVE: Gas filled stabiliser CATHODE: Cold ENVELOPE: Unmetallised glass PROTOTYPE G120/1B	MARKING See K1001/4					
<u>RATING</u>	Note	BASE B4 CONNEXIONS				
Nominal breakdown voltage (V) 100 Nominal maintaining voltage (V) 55 D.C. operating current continuous (mA) 2 to 30 Regulation 2 mA to 30mA (V) 3 Max. peak cathode current (mA) (averaged over 1 second) Max. direct cathode current (mA) 30			Electrode Anode Cathode Not connected Not connected DIMENSIONS See K1001/A1/D1			
		Dimension A (mm) B (mm)		Min.	Max. 102 35	

CV 438

TESTS

To be performed in addition to those applicable in K1001

•	TEST			LIM	ITS	No.	
	CONDITIONS	TEST		Min	Max.	Tested.	Note
	Ia(mA)						
a	-	Anode breakdown voltage	.(V)		120	100%	A,B,C
ъ	20	Anode maintaining voltage	(V)		65	100%	A, B
C	2 3 0	Anode volts "x" Anode volts "y" Difference between V "x" and V "y"	(v) (v)		7	100%	A,B,D

NOTE

- . Test shall be carried out using a D.C. power supply with not more than 0.5 per cent ripple. A protective resistance of 5,000 chms shall be included in the cathode circuit.
- 3. Voltages shall be measured directly across the valve under test.
- 2. A voltage not exceeding 75 volts D.C. shall be applied to the anode and increased gradually until the valve strikes.
- A period of not less than 30 seconds shall be allowed to elapse after the establishment of the conditions specified, before a reading of the maintaining voltage is taken.