

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

Specification: GPO/CV2208/Issue 2 Dated: November 1960 To be read in conjunction with K 1001	<u>SECURITY</u>	
	<u>Specification</u> Unclassified	<u>Valve</u> Unclassified

→ indicates a change

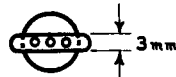
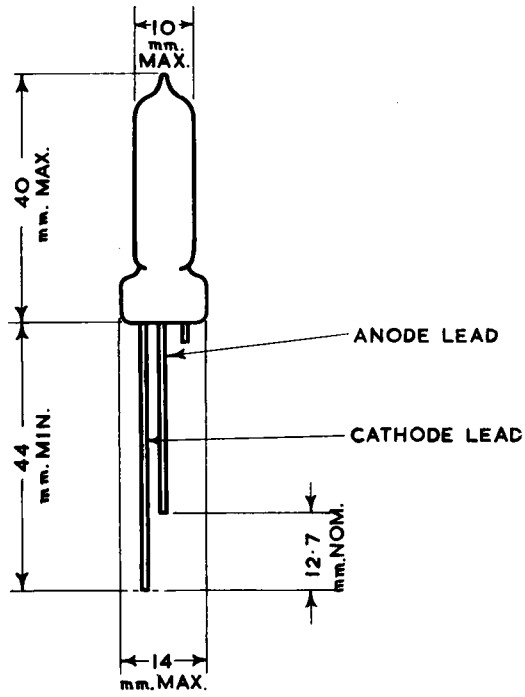
<u>TYPE OF VALVE:</u> Cold-Cathode Voltage Stabiliser <u>CATHODE:</u> Cold <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE:</u> G50/2G			<u>MARKING</u> CV 2208 Code date of manufacture Factory identification code
<u>Rating</u>	Note	<u>Base</u> See drawing on page 3.	
→ Max. Striking Voltage (V) 90 → Nom. Maintaining Voltage (V) 54 → D.C. operating current continuous (mA) 0.3 to 3.0 → Regulation 0.3 to 1.0 mA (V) ± 1.5		<u>Connexions</u> See drawing on page 3.	
		<u>Dimensions</u> See drawing on page 3.	
Notes			

CV 2208

TESTS

To be performed in addition to those applicable in K 1001

	Test Condition	Test	Limits		No. Tested	Note
			Min.	Max.		
→	(a) A D.C. voltage not exceeding 45 volts shall be applied between anode and cathode, (anode positive) and increased steadily at a rate not exceeding 25 volts per second until the valve strikes.	Breakdown Voltage (volts)	-	90	100%	1,2,3
→	(b) The applied voltage shall be adjusted until the cathode current is:- (1) 3 mA (2) 1 mA (3) 0.3 mA	Maintaining voltage (1) V2 Volts (2) V3 Volts (3) V4 Volts	- 48 -	60 - -	100%	1,2,3, 4
→	(c) Difference between:- (1) Voltages measured in tests b(1) and b(2) (2) Voltages measured in tests b(2) and b(3)	Regulation (1) V2-V3 (Volts) (2) V3-V4 (Volts)	0 -1.5	+2.0 +1.5	100%	1,2,3
<p>Note 1. For all tests a protective resistance of 100,000 ohms shall be connected in series with the anode.</p> <p>Note 2. The voltages specified in all tests shall be measured directly across the valve.</p> <p>Note 3. The ripple content of the D.C. supply for all tests shall not exceed 0.5 per cent.</p> <p>Note 4. During this test, there shall be no discharge on the outside of the cathode or on the stem leads.</p>						



SCALE ACTUAL SIZE.

SPACING OF LEADS 1.5 mm. MIN.
THE LEADS SHALL BE FLEXIBLE 25-27 SW.G.
TINNED, COPPER CLAD NICKEL IRON WIRE.