

VALVE ELECTRONIC

CV 2208

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

Specification: <u>GPO/CV2208/Issue 1</u> Dated: <u>March 1951</u> To be read in conjunction with K 1001	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>Unclassified</td><td>Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	Unclassified	Unclassified
<u>SECURITY</u>							
<u>Specification</u>	<u>Valve</u>						
Unclassified	Unclassified						

→ indicates a change

<u>TYPE OF VALVE:</u> Stabiliser, two Electrode, gas filled.			<u>MARKING</u>	
<u>CATHODE:</u> Cold			CV 2208	
<u>ENVELOPE:</u> Unmetallised glass			Code date of manufacture	
<u>PROTOTYPE</u> G50/1G			Factory <del>id</del> entification code	
<u>Rating</u>		<u>Note</u>	<u>Base</u>	
Max. Striking Voltage	(V) 90		See drawing on page 3.	
Nom. Maintaining Voltage	(V) 50			
D.C. operating current continuous	(mA) 0.5		<u>Connexions</u>	
Regulation 0.1 to 0.5 mA	(V) 5		See drawing on page 3.	
			<u>Dimensions</u>	
			See drawing on page 3.	

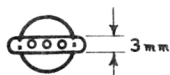
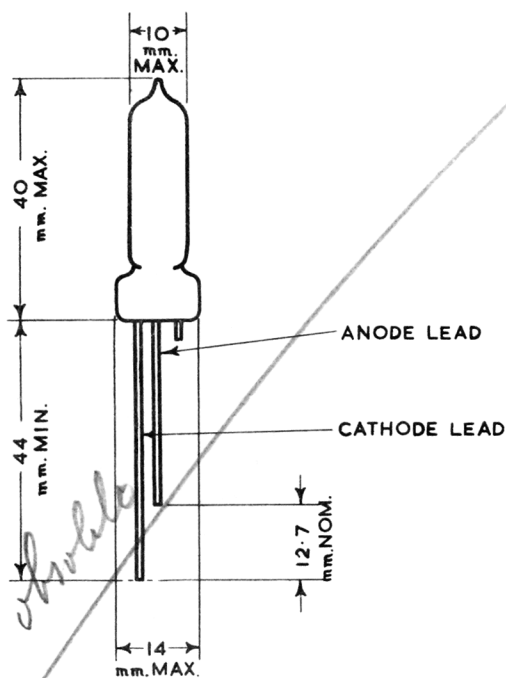
TESTSTo be performed in addition to those applicable in K1001

	Test Condition	Test	Limits		No. Tested
(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 20 volts per second until the valve strikes.	Breakdown Voltage (volts)	-	90	100%
(b)	The voltage applied in test (a) shall be adjusted until cathode current is 0.5 mA.	Maintaining Voltage (volts)	-	62	100%
(c)	With conditions as for test (b) the cathode current shall be progressively reduced from 0.5 mA to 0.1 mA.	Regulation change in maintaining Voltage (volts)	-	5	100%

Note 1. For all tests a protective resistance of 100,000 ohms shall be connected in series with the anode.

Note 2. The voltages specified in all tests shall be measured directly across the valve.

Note 3. The ripple content of the D.C. supply for all tests shall not exceed 0.5 per cent.



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.