VALVE ELECTRONIC

CV 2208

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

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

→ indicates a change

TYPE OF VALVE: Cold-Cathode Voltage Stabiliser
CATHODE: Cold
ENVELOPE: Unmetallised glass
PROTOTYPE G50/2G

MARKING
CV 2208
Code date of manufacture
Factory identification code

Rating			Note
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	

Base
See drawing on page 3.

Connexions
See drawing on page 3.

Dimensions
See drawing on page 3.

Notes

CV 2208

TESTS

To be performed in addition to those applicable in K 1001

	Test Condition	Test	Limits Min.	Limits Max.	No. Tested	Note
→ (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:-	Maintaining voltage				
	(1) 3 mA	(1) V2 Volts	-	60	100%	1,2,3, 4
	(2) 1 mA	(2) V3 Volts	48	-		
	(3) 0.3 mA	(3) V4 Volts	-	-		
→ (c)	Difference between:-	Regulation				
	(1) Voltages measured in tests b(1) and b(2)	(1) V2-V3 (Volts)	0	+2.0	100%	1,2,3
	(2) Voltages measured in tests b(2) and b(3)	(2) V3-V4 (Volts)	-1.5	+1.5		

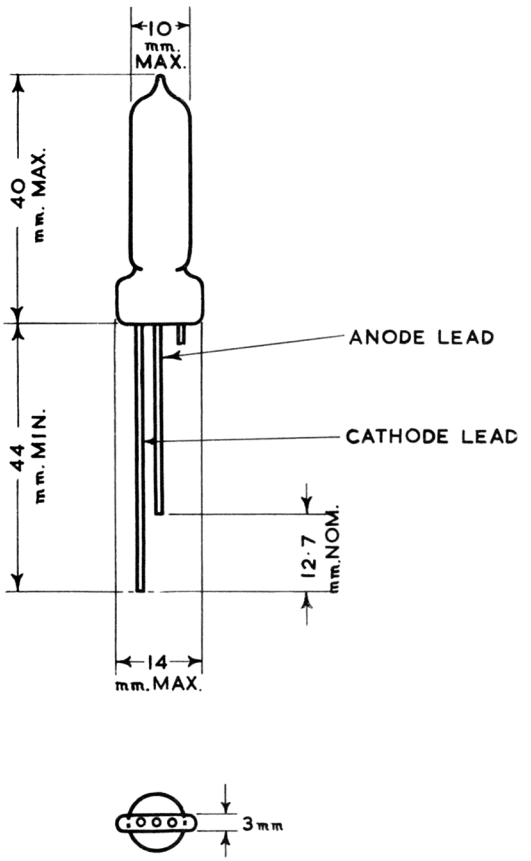
Note 1. For all tests a protective resistance of 100,000 ohms shall be connected in series with the anode.

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.

Note 4. During this test, there shall be no discharge on the outside of the cathode or on the stem leads.

CV2208



SCALE ACTUAL SIZE.

SPACING OF LEADS 1·5 mm. MIN.
THE LEADS SHALL BE FLEXIBLE 25-27 S.W.G.
TINNED, COPPER CLAD NICKEL IRON WIRE.