

VALVE ELECTRONIC

CV1992

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

Specification: GPO/CV1992/Issue 1.	<u>SECURITY</u>	
Dated: November, 1953	<u>Specification</u>	<u>Valve</u>
To be read in conjunction with K 1001	Unclassified	Unclassified

→ indicates a change

<u>TYPE OF VALVE:</u> Gas-filled triode			<u>MARKING</u>		
<u>CATHODE:</u> Cold			See K 1001/4		
<u>ENVELOPE:</u> Glass			<u>BASE</u> See K1001/A1U/D2 M Dimension		
<u>PROTOTYPE</u> 1267			I.O. (ii) applies		
<u>RATING</u>			<u>Note</u>		
Max. anode voltage ($V_g = 0$)	(V)	225	A	Pin	Electrode
Min. grid voltage for ignition	(V)	100		1	No connection
Max. grid voltage before ignition	(V)	70		2	Cathode
Grid-cathode burning voltage	(V)	60		3	No connection
Anode-cathode burning voltage	(V)	70		4	No pin
Max. peak cathode current	(mA)	100	B	5	Anode
Max. mean cathode current	(mA)	25		6	No pin
				7	Grid
				8	No connection
			<u>DIMENSIONS</u>		
			See K 1001/A1/D1		
			Dimension	Min.	Max.
			A mm	-	99
			B mm	-	30.6

Note

A. At higher anode voltages ignition may take place at $V_g = 0$.

B. Maximum averaging time = 15 secs.

	Test Condition					Test	Limits		No. tested	Note
							Min.	Max.		
	Va (V)	Vg (V)	Ig (μ A)	Ra (ohms)	Rg (ohms)					
a	0	Read	-	3K	50K	Grid voltage (V)	73	93	100%	1
b	140	Adjust	Read	3K	2M	Condition (μ A)	-	100	100%	2
c	Adjust	0	-	3K	50K	VA Forward (V)	225	-	100%	3
d	225	95	-	3K	50K	Anode-cathode voltage(V)	-	76	100%	4

NOTES

1. Grid voltage to be changed in a positive direction until the valve starts to conduct.
2. The valve must conduct before max. grid current is reached.
3. The valve must not conduct at or below this value.
4. Allow tube to conduct for at least 1 second before reading.