

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

Specification: P.O./CV 5112 Issue 1 Dated: 11.7.56 To be read in conjunction with K 1001, BS448 and BS1409	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>Unclassified</td><td>Unclassified</td></tr> </table>	SECURITY		<u>Specification</u>	<u>Valve</u>	Unclassified	Unclassified
SECURITY							
<u>Specification</u>	<u>Valve</u>						
Unclassified	Unclassified						

—→ indicates a change

<u>TYPE OF VALVE:</u> Triode				<u>MARKING</u>			
<u>CATHODE:</u> Indirectly heated							
<u>ENVELOPE:</u> Glass							
<u>PROTOTYPE</u> 3A/167M				See K1001/4			
<u>RATING</u>				<u>BASE</u> B8G			
				<u>Connections</u>			
				<u>Note</u>			
				<u>Dimensions (mm)</u>			
				See K 1001/A1/D7			
				<u>Dimensions</u>			
				<u>Min.</u>			
				<u>Max.</u>			
				A			
				B			
				L			
				-			
				-			
				54.8			
				27.8			
				-			
				41.3			
				29.2			
				30.2			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			
				41.3			

CV5112

Tests

Page 2

To be performed in addition to those applicable in K 1001

Test condition					Test	Limits		No. tested	Note
						Min.	Max.		
	Links to H.P.	Links to L.P.	Links to E		Capacitance pF				
	4	1,2,3,5,6,8,9	7,10,T.C.1, T.C.2	Cae		1.8	3.2	6	
	7	1,2,3,5,6,8,9	4,10,T.C.1, T.C.2	Cge		9.5	14.5	per week	
	4	7	1,2,3,5,6,8,9,10,T.C.1, T.C.2	Cag		3.4	5.0		
	Vh	Va	Vg1	Rk					
b	6.3	0	0	0	Ih (A)	.425	.475		
c	6.3	160	+ 9	262	Ia (mA)	35.5	44.5		1,2
d	6.3	160	+ 9	262	Reverse Ig, (μA)	-	0.8		1,2
e	6.3	160	+ 9	262	Ra ohms	700	1300		1,2
f	6.3	160	+ 9	262	g.m. mA/V	38	56		1,2
g	5.7	160	+ 9	262	g.m mA/V	85%	of test (f)		1,2
h	6.3	160	- 10	262	Ia. cut off μA	-	250		1,2
<u>Notes</u>									
1. Vg1 and Va are measured to the negative end of the cathode resistor.									
2. The reactance of the cathode by-pass capacitor shall not be greater than 3 ohms.									

Amendment No. 1

To issue 1 dated 11th July, 1956
of Specification Valve Electronic CV.5112

Page 1

Near bottom right-hand corner of page, under general heading of "Dimensions (mm)"

Amend the figure in Column headed "Max." against Dimension B from "29.2" to "30.2".

T.V.C. for G.P.O.

May, 1958

N. 25477/R

✓ AAS