

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	<b>SECURITY</b>	
	<u>Specification</u> Unclassified	<u>Valve</u> Unclassified

—————> indicates a change

<u>TYPE OF VALVE:</u> Triode <u>CATHODE:</u> Indirectly heated <u>ENVELOPE:</u> Glass <u>PROTOTYPE:</u> 3A/167M		<u>MARKING</u> See K1001/4		
<u>RATING</u>		<u>BASE</u> B8G		
		Note	Connections	
Heater Voltage (V) 6.3 Heater Current (A) 0.45 Max. Anode Voltage (V) 350 " Anode current (mA) 45 " Anode dissipation (W) 7 Mutual conductance (mA/V) 47 Anode Impedance ohms 1000	A A	Pin	Electrode	
		1 2 3 4 5 6 7 8	Heater I.C. N.C. Anode Cathode I.C. Grid Heater	
		<u>Dimensions (mm)</u> See K 1001/A1/D7		
<u>Capacitances (pF)</u>		Dimensions	Min.	Max.
Cae	2.5	A	-	54.8
Cge	11.0	B	27.8	<del>49.2</del> 30.2
Cag	4.0	L	-	41.3
<u>Note</u>				
A. Measured at Va = 150V, Ia = 40 mA.				

# 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.								