VALVE ELECTRONIC CV5112

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

Specification: P.O./CV 5112 Issue 1	SECURITY			
Dated: 11.7.56 To be read in conjunction with K 1001, BS448 and BS1409	Specification Unclassified	<u>Valve</u> Unclassified		

TYPE OF VALVE:							
RATING See K1001/4 See K1001/4 See K1001/4 See K1001/4 See K1001/4 See K1001/4 See K1001/4 See K1001/4 See K1001/4 See K1001/4 See K1001/4 See K1001/4							
RATING See K1001/4		MARKING					
RATING R							
Heater Voltage	PROTOTYPE 3A/167M	See K1001/4					
Heater Voltage	RATING		BASE B8G				
Heater Current			Note	Conr	Connections		
Max. Anode Voltage (V) 350 " Anode current (mA) 45 " Anode dissipation (W) 7 Mutual conductance (mA/V) 47 Anode Impedance ohms 1000 Anode Impedance ohms 1000 Dimensions (mm) See K 1001/A1/D7				Pin	Elec	trode	
" Anode current (mA) 45 7 Anode dissipation (W) 7 47 A Anode Impedance (mA/V) A 5 Cathode I.c. 7 Grid Heater Dimensions (mm) See K 1001/A1/D7	Max. Anode Voltage (V)	350 45 7 47					
Mutual conductance (mA/V) 47 A 5 Cathode I.C. Grid Heater Dimensions (mm) See K 1001/A1/D7	Anode current (ma)			2 3			
7 Grid Heater Dimensions (mm) See K 1001/A1/D7	Mutual conductance (mA/V)			4			
7 Grid Heater Dimensions (mm) See K 1001/A1/D7	Anode Impedance ohms			5			
<u>Dimensions</u> (mm) See K 1001/A1/D7				7			
See K 1001/A1/D7				8	Неа	ter	
See K 1001/A1/D7		Dimensions (mm)					
Connect to the control of the contro							
Capacitances (pF) Dimensions Min. Max.	Capacitances (pF)			Dimensions	Min.	Max.	
Cae 2.5 A - 54.8		2.5			-		
Cge 11.0 B 27.8 29.2 30.2 Cag 4.0 L - 11.3					27.8		
4.0 L - 41.3		4.0		ע	-	41.5	
Note	Note						
A. Measured at Va = 150V, Ta = 40 mA.	A. Measured at Va = 150V, Ta = 40 mA.						

Tests Page 2

To be performed in addition to those applicable in K 1001

							Limits		Note	
Test condition			Test	Test		Max.	tested			
	Links to H.P.	Lin to L.		Links to E	Capacitance p	F				•
	4	1,2,3 6,8,9		7,10,T.C. T.C.2	1, Cae		1.8	3.2	6	
	7	1,2,3 6,8,		4,10,T.C. T.C.2	1, Cge		9.5	14.5	per week	
	4	7		1,2,3,5,6, 9,10,T.C.1 T.C.2			3.4	5.0		
ODDINE COLUMN	Vъ	۷a	Vg1	Rk						
Ъ	6.3	0	0	0	Th.	(A)	.425	•475		
С	6.3	160	+ 9	262	Ia	(mA)	35•5	44.5		1,2
d	6.3	160	+ 9	262	Reverse Ig,	(A4)	-	0.8		1,2
е	6.3	160	+ 9	262	Ra	ohms	700	1300		1,2
f	6.3	160	+ 9	262	g.m.	m a /V	38	56		1,2
g	5 •7	160	+ 9	262	g.m	mA/V	85%	of te	st (f)	1,2
h	6.3	160	- 10	262	Ia. cut off	μA	-	250		1,2

Notes

- 1. Vg1 and Va are measured to the negative end of the cathode resistor.
- 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.

JAAS

May, 1958

N. 25477/R