

VALVE ELECTRONIC

(POVT 82)

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

Specification: G.P.O./CV1660/Issue 1 Dated: 20/6/46 To be read in conjunction with K 1001	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>Restricted</td><td>Restricted</td></tr> </table>	SECURITY		<u>Specification</u>	<u>Valve</u>	Restricted	Restricted
SECURITY							
<u>Specification</u>	<u>Valve</u>						
Restricted	Restricted						

—————> indicates a change

<u>TYPE OF VALVE:</u> Triode				<u>MARKING</u>			
<u>CATHODE:</u> Directly heated				See K 1001/4			
<u>ENVELOPE:</u> Unmetallised glass							
<u>PROTOTYPE</u> LS 7							
<u>RATING</u>				<u>BASE</u>			
				British 4-pin (B4)			
				<u>CONNEXIONS</u>			
				<u>Pin</u>		<u>Electrode</u>	
Filament current (A) 0.15				1		Anode	
Nominal filament voltage (V) 4.0				2		Grid	
Max. anode voltage (V) 150				3		Filament -	
Amplification factor 12				4		Filament +	
Anode impedance (ohms) 5000							
				<u>DIMENSIONS</u>			
				See K 1001/A1/D1			
				<u>Dimension</u>		<u>Min.</u>	<u>Max.</u>
<u>CAPACITANCES (pF)</u>				A (mm)		-	127
Cag (max) 12.0				B (mm)		-	60
Cae (max) 12.0							
Cge (max) 12.0							
<u>NOTE</u>							
A. Measured with Va = 130, and Vg = - 4.							

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
					Min.	Max.		
(a)	See K 1001/A/III			CAPACITANCES (pF)				
	Links to HP	Links to LP	Links to E					
	1	2	3,4,5,6,7,8, 9,10,TC1,TC2		-	12.0	6 per week	
	1	3,4	2,5,6,7,8,9, 10,TC1,TC2		-	12.0	6 per week	
	2	3,4	1,5,6,7,8,9, 10,TC1,TC2		-	12.0	6 per week	
	If(A)	Va	Vg					
(b)	0.15	0	0	Vf (V)	3.7	4.3	100%	
(c)	0.15	130	- 13	Ia (mA)	-	0.2	100%	
(d)	0.15	130	- 4	Reverse Ig (μ A)	-	0.5	100%	
(e)	0.15	130	- 4	Ia (mA)	7.0	11.0	100%	
(f)	0.15	130	- 4	gm (mA/V)	2.0	2.9	100%	
(g)	0.15	130	- 4	μ	10.5	13.5	1%	