

VALVE ELECTRONIC

(FOVT 108)

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

Specification: G.P.O./CV1676/Issue 1 Dated: 17 - 6 - 46 To be read in conjunction with K 1001	<table> <tr> <th colspan="2">SECURITY</th></tr> <tr> <th><u>Specification</u></th><th><u>Valve</u></th></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 8 A					
<u>RATING</u>			<u>BASE</u>		
			British 4-pin (B4)		
			<u>CONNEXIONS</u>		
Filament current	(A)	0.15	Pin	Electrode	
Nominal filament voltage	(V)	4.0	1	Anode	
Max. anode voltage	(V)	150	2	Grid	
Amplification factor		6.0	3	Filament -	
Anode impedance	(ohms)	2135	4	Filament +	
			<u>DIMENSIONS</u>		
			See K 1001/A1/D1		
<u>CAPACITANCES (pF)</u>			Dimension	Min.	Max.
C _{ag}	(max)	15.0	A (mm)	-	127
C _{ae}	(max)	15.0	B (mm)	-	60
C _{ge}	(max)	15.0			

NOTEA. Measured with V_a = 130, and V_g = -8

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			<u>CAPACITANCES (pF)</u>				
	Links to HP	Links to HP	Links to E					
	1	2	3,4,5,6,7,8, 9,10,TC1,TC2		-	15.0	6 per week	
	1	3, 4	2,5,6,7,8,9, 10,TC1,TC2		-	15.0	6 per week	
	2	3, 4	1,5,6,7,8,9, 10,TC1,TC2	(iii) Cge	-	15.0	6 per week	
	If (A)	Va	Vg					
(b)	0.15	0	0	Vf (V)	3.7	4.3	100%	
(c)	0.15	130	- 30	Ia (mA)	-	0.2	100%	
(d)	0.15	130	- 8	Reverse Ig (μ A)	-	0.5	100%	
(e)	0.15	130	- 8	Ia (mA)	16.0	30.0	100%	
(f)	0.15	130	- 8	gm (mA/V)	2.2	3.8	100%	
(g)	0.15	130	- 8	μ	5.0	7.0	1%	