

VALVE ELECTRONIC

(POVT 105)

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

Specification: G.P.O./CV 1673/Issue 1 Dated: 12-6-46 To be read in conjunction with K 1001	<table> <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> Metallised glass							
<u>PROTOTYPE</u> H.L. 2							
<u>RATING</u>			Note		<u>BASE</u>		
					British 4-pin (B4)		
					<u>CONNECTIONS</u>		
Max. filament voltage (W)		2.0			Pin	Electrode	
Nominal filament current (A)		0.1					
Max. anode voltage (V)		150			1	Anode	
Amplification factor		27.0			2	Grid	
Anode impedance (ohms)		18,000			3	Filament -	
Mutual conductance (mA/V)		1.5			4	and Metallising Filament +	
<u>CAPACITANCES (pF)</u>					<u>DIMENSIONS</u>		
C _{ag} (nominal)		4.5			See K 1001/A1/D1		
C _{ge} (nominal)		3.0					
C _{ae} (nominal)		5.25					

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
	V _r (V)	V _a	V _g		Min.	Max.		
(a)	1.9	0	0	I _f (A)	0.09	0.11	100%	
(b)	1.9	100	0	I _a (mA)	2.24	4.16	100%	
(c)	1.9	100	0	g _m (mA/V)	1.20	1.88	100%	
(d)	1.9	100	- 2	Reverse I _g (μA)	-	0.5	100%	
(e)	1.9	100	0	μ	22.0	32.0	100%	