

VALVE ELECTRONIC

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

Specification: G.P.O./CV 1678/Issue 1 Dated: 17 - 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> Indirectly heated				See K 1001/4			
<u>ENVELOPE:</u> Unmetallised glass							
<u>PROTOTYPE</u> MH 41							
<u>RATING</u>			<u>Note</u>	<u>BASE</u>			
				British 5-pin (B5)			
			A	<u>CONNEXIONS</u>			
Heater voltage (V)		4.0		Pin	Electrode		
Nominal heater current (A)		1.0		1	Anode		
Max. anode voltage (V)		250		2	Grid		
Mutual conductance (mA/V)		6.0		3	Heater		
Amplification factor		80.0		4	Heater		
				5	Cathode		
				<u>DIMENSIONS</u>			
				See K 1001/A1/D1			
				Dimension	Min.	Max.	
			A (mm)	-	117		
			B (mm)	-	45		
<u>NOTE</u>							
A. Measured with $V_a = 100$, and $V_g = 0$							

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
	Vh (V)	Va	Vg		Min.	Max.		
(a)	4.0	-	-	Ih (A)	0.9	1.1	100%	
(b)	4.0	100	0	Ia (mA)	4.0	10.5	100%	
(c)	4.0	100	0	gm (mA/V)	4.2	7.8	100%	
(d)	4.0	100	-2	Reverse Ig (uA)	-	1.0	100%	
(e)	4.0	100	0	u	65.0	95.0	100%	