

VALVE ELECTRONIC CV 1654

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

(POVT 74)

Specification: G.P.O./CV 1654/Issue 1 Dated: 30-8-46 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> L2 ; PM2DX							
<u>RATING</u>			Note	<u>BASE</u>			
				British 4-pin (B4)			
			A	<u>CONNEXIONS</u>			
Filament voltage	(V)	2.0		Pin	Electrode		
Nominal filament current	(A)	0.1		1	Anode		
Max anode voltage	(V)	150		2	Grid		
Mutual conductance	(mA/V)	1.9		3	Filament -		
Amplification factor		19.0		4	Filament +		
				<u>DIMENSIONS</u>			
				See K 1001/A1/D1			
				Dimension	Min.	Max.	
				A (mm)	-	121	
			B (mm)	-	64		
This valve type is obsolete and this specification is for record purposes only.				<u>NOTE</u> A. Measured with $V_a = 120$, and $V_g = 0$			

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
					Min.	Max.		
(a)	Test Voltage 250 Volts D.C.			<u>Insulation (megohms)</u>				
				(i) Anode to filament	100	-	100	
				(ii) Between any other two electrodes	500	-	100	
				(iii) Between any electrode and metallic shell of base	500	-	100	
	V _f	V _a	V _g					
(b)	2.0	-	-	I _f (A)	0.08	0.12	100	
(c)	2.0	120	-3	I _a (mA)	1.95	3.45	100	
(d)	2.0	120	-3	g _m (mA/V)	1.4	-	100	
			0					
(e)	2.0	120	-3	Reverse I _g (μA)	-	0.5	100	
(f)	2.0	-	-20	Reverse I _g (μA)	-	0.3	100	