

VALVE ELECTRONIC CV1669

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

(POVT 98)

Specification: G.P.O./CV 1669/Issue 1 Dated: 18-9-46 To be read in conjunction with K 1001	<table> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>Restricted</td><td>Restricted</td></tr> </table>	SECURITY		Specification	Valve	Restricted	Restricted
SECURITY							
Specification	Valve						
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> P 625						
<u>RATING</u>			<u>Note</u>	<u>BASE</u>		
				British 4-pin (B ₄)		
Filament current	(A)	0.25	A	<u>CONNECTIONS</u>		
Nominal filament voltage	(V)	6.0		Pin	Electrode	
Max. anode voltage	(V)	200		1	Anode	
Anode impedance	(ohms)	2400		2	Grid	
Amplification factor		6.0		3	Filament -	
			A	4	Filament +	
				<u>DIMENSIONS</u>		
				See K 1001/A1/D1		
				Dimension	Min.	Max.
				A (mm)	-	127
				B (mm)	-	64

This valve type is obsolete and this specification is for record purposes only.

NOTE

A. Measured with $V_a = 200$,
and $V_g = -20$

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
					Min.	Max.		
(a)	Test Voltage 500 Volts D.C.			<u>Insulation (megohms)</u>				
				(i) Between any two electrodes	500		1%	
				(ii) Between any electrode and metallic shell of the base	500		1%	
	$I_f(A)$	V_a	V_g					
(b)	0.25	-	-	V_f (V)	5.7	6.3	100%	
(c)	0.25	200	-20	Mutual impedance (ohms)	350	500	100%	
(d)	0.25	200	-5	Reverse I_g (μA)	-	2.0	100%	
(e)	0.25	200	-20	I_a (mA)	12.0	28.0	100%	