

VALVE ELECTRONIC CV 1666

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

(POVT 95)

Specification: G.P.O./CV1666/Issue 1	<u>SECURITY</u>	
Dated: 18.11.46	<u>Specification</u>	<u>Valve</u>
To be read in conjunction with K 1001	Restricted	Restricted

—→ indicates a change

<u>TYPE OF VALVE:</u> Triode				<u>MARKING</u>			
<u>CATHODE:</u> Directly heated				See K1001/4			
<u>ENVELOPE:</u> Unmetallised glass							
<u>PROTOTYPE</u> P610							
<u>RATING</u>				<u>BASE</u>			
				British 4-pin (B4)			
				<u>CONNEXIONS</u>			
				<u>Pin</u>		<u>Electrode</u>	
Filament current (A) 0.1				1		Anode	
Nominal filament voltage (V) 5.7				2		Grid	
Max. anode voltage (V) 150				3		Filament -	
Amplification factor 8.0 A				4		Filament +	
Mutual conductance (mA/V) 2.5 A							
Anode impedance (ohms) 3.500 A							
				<u>DIMENSIONS</u>			
				See K1001/A1/D1			
				<u>Dimension</u>		<u>Min.</u>	<u>Max.</u>
				A (mm)		-	127
				B (mm)		-	61

This valve type is obsolete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

NOTE

A. Measured with $V_a = 150$,
and $V_g = -4.5$

TESTS

To be performed in addition to those applicable in K1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
					Min.	Max.		
(a)	Test Voltage 500 Volts D.C.			<u>INSULATION (megohms)</u>				
				(i) Anode to filament	100	-	1%	
				(ii) Between any other two electrodes	500	-	1%	
				(iii) Between any electrode and metallic shell of the base.	500	-	1%	
	If	Va	Vg					
(b)	0.1	-	-	Vf (V)	5.5	6.0	100%	
(c)	0.1	150	-4.5	Ra (ohms)	2500	4500	100%	
(d)	0.1	150	-4.5	μ	7.0	9.0	100%	