

VALVE ELECTRONIC **CV1684**GENERAL POST OFFICE: E-IN-C (W)

(POVT 116)

Specification: G.P.O./CV1684/Issue 1	<u>SECURITY</u>	
Dated: 21.2.47	<u>Specification</u>	<u>Valve</u>
To be read in conjunction with K 1001	Restricted	Restricted

---> indicates a change

<u>TYPE OF VALVE:</u> Pentode				<u>MARKING</u>				
<u>CATHODE:</u> Indirectly heated				See K1001/4				
<u>ENVELOPE:</u> Unmetallised glass								
<u>PROTOTYPE</u> APP4C								
<u>RATING</u>				Note		<u>BASE</u>		
						British 7-pin (37)		
						<u>CONNEXIONS</u>		
						Pin	Electrode	
Heater voltage (V) 4.0				A		1	G3	
Nominal heater current (A) 2.0						2	G1	
Max. anode voltage (V) 250						3	G2	
Max. screen voltage (V) 250						4	Heater	
Max. anode dissipation (W) 8.0						5	Heater	
Mutual conductance (mA/V) 10.0						6	Cathode	
						7	Anode	
						<u>DIMENSIONS</u>		
						See K1001/A1/D1		
						Dimension	Min.	Max.
						A (mm)	-	137
						B (mm)	-	51

NOTEA. Measured with $V_a = V_{g2} = 250$, and $V_{g1} = -5$

To be performed in addition to those applicable in K1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	Vh(V)	Va	Vg1	Vg 2	Vg3		Min.	Max.		
(a)	4.0	-	-	-	-	Ih (A)	1.8	2.2	100%	
(b)	4.0	250	-14	250	0	Ia (mA)	-	2.0	100%	
(c)	4.0	250	-7	250	0	Ia (mA)	15.5	39.5	100%	
(d)	4.0	250	-3.5	250	0	Ia (mA)	50.0	80.0	100%	
(e)	4.0	250	-6	250	0	Reverse Ig (μA)	-	1.5	100%	