

VALVE ELECTRONIC **CV1683**

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

(POVT 115)

Specification: G.P.O./CV1683/Issue 1 Dated: 18.11.46 To be read in conjunction with K 1001	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted

—————> indicates a change

<u>TYPE OF VALVE:</u> Pentode <u>CATHODE:</u> Indirectly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE</u> MP/Pen			<u>MARKING</u> See K1001/4		
<u>RATING</u>			<u>BASE</u> British 7-pin (B7)		
			<u>CONNEXIONS</u>		
			<u>Pin</u>	<u>Electrode</u>	
			1	No connection	
			2	G1	
			3	G2	
			4	Heater	
			5	Heater	
			6	Cathode & G3	
			7	Anode	
			<u>DIMENSIONS</u> See K1001/A1/D1		
			<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
			A (mm)	-	137
			B (mm)	-	59

NOTE

A. Measured with $V_a = 250$, $V_{g2} = 200$, and $V_{g1} = -5$

To be performed in addition to those applicable in K1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	Vh	Va	Vg1	Vg2	Vg3		Min.	Max.		
(a)	4.0	-	-	-	-	I _h (A)	0.9	1.1	100%	1
(b)	4.0	250	-10	200	-	I _a (mA)	20.0	40.1	100%	1
(c)	4.0	250	-5	200	-	g _m (mA/V)	2.4	-	100%	1
(d)	4.0	250	-10	200	-	Reverse I _g (μA)	-	2.0	100%	1,2
(e)	4.0	250	-60	200	-	Reverse I _g (A)	-	1.0	100%	1

NOTES

1. Before commencing the tests, the valve shall be pre-heated for 5 minutes, the heater voltage being adjusted to 4 volts with all other electrodes disconnected.
2. The duration of test (d) shall be at least 60 seconds.