

VALVE ELECTRONIC **CV1724**

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

(FOVT 183)

Specification: G.P.O./CV 1724/Issue 1 Dated: 17-10-46 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> Output pentode <u>CATHODE:</u> Indirectly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE</u> 5 A/102 D			<u>MARKING</u> See K 1001/4		
			<u>BASE</u> International Octal (IO)		
<u>RATING</u>			<u>CONNEXIONS</u>		
		Note	Pin	Electrode	
Heater current	(A)	0.85	1	No connection	
Nominal heater voltage	(V)	7.5	2	Heater	
Max. anode voltage	(V)	180	3	Anode	
Max. screen voltage	(V)	150	4	G2	
Mutual conductance	(mA/V)	2.5	5	G3	
		A	6	Pin omitted	
			7	Heater	
			8	Cathode	
			T.C.	G1	
			<u>TOP CAP</u> See K 1001/A1/D5.2		
			<u>DIMENSIONS</u> See K 1001/A1/D1		
			Dimension	Min.	Max.
			A (mm)	-	130
			B (mm)	-	46
<u>NOTE</u>					
A. Measured with $V_a = 180$, $V_g 2 = 150$, and $V_g 1 = -18$					

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	Ih(A)	Va	Vg1	Vg2	Vg3		Min.	Max.		
(a)	0.85	0	0	0	0	Vh (V)	7.0	8.0	100%	
(b)	0.85	180	- 18	150	0	Ia (mA)	34.0	50.0	100%	
(c)	0.85	180	- 18	150	0	Ig2 (mA)	-	10.0	100%	
(d)	0.85	180	- 18	150	0	Reverse Ig (μ A)	-	2.0	100%	
(e)	0.85	180	- 18	150	0	gm (mA/V)	2.2	-	100%	