

VALVE ELECTRONIC **CV 1726**GENERAL POST OFFICE: E-IN-C (S)

(POVT 186)

Specification: G.P.O./CV 1726/Issue 1 Dated: 17-10-46 To be read in conjunction with K 1001	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>Restricted</td><td>Restricted</td></tr> </table>	SECURITY		<u>Specification</u>	<u>Valve</u>	Restricted	Restricted
SECURITY							
<u>Specification</u>	<u>Valve</u>						
Restricted	Restricted						

—————> indicates a change

<u>TYPE OF VALVE:</u> H.F. Pentode				<u>MARKING</u>			
<u>CATHODE:</u> Indirectly heated				See K 1001/4			
<u>ENVELOPE:</u> Unmetallised glass				<u>BASE</u>			
<u>PROTOTYPE</u> 5A/105 A				International Octal (IO)			
<u>RATING</u>			Note	<u>CONNEXIONS</u>			
				Pin	Electrode		
Heater current	(A)	0.425	A	1	Pin omitted		
Nominal heater voltage	(V)	4.0		2	Heater		
Max. anode voltage	(V)	250		3	Anode		
Max. screen voltage	(V)	100		4	G2		
Mutual conductance	(mA/V)	10.0		5	Pin omitted		
				6	G3		
				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)		-	90
				B (mm)		-	30

This valve type is obsolete and this specification is for record purposes only.

NOTE
Measured with $V_a = 250$, $V_{g2} = 100$,
 $V_{g3} = 0$, and $V_{g1} = -1$

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)	0.425	0	0	0	0	Vh (V)	3.6	4.4	100%	1
(b)	0.425	250	- 1.0	100	0	Ia (mA)	10.0	20.0	100%	1
(c)	0.425	250	- 1.0	100	0	gm (mA/V)	10.0	-	100%	1
(d)	0.425	250	- 1.0	100	0	Reverse Ig (μ A)	-	1.0	100%	1
(e)	0.425	250	- 6.0	100	0	Ia (mA)	-	0.2	100%	1

NOTE

- Valves shall be pre-heated for 15 minutes with a heater current of 0.425A.