

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	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted

→ indicates a change

<u>TYPE OF VALVE:</u> H.F. Pentode			<u>MARKING</u> See K 1001/4		
<u>CATHODE:</u> Indirectly heated			<u>BASE</u> International Octal (IO)		
<u>ENVELOPE:</u> Unmetallised glass			<u>CONNECTIONS</u>		
<u>PROTOTYPE:</u> 5A/105 A			<u>Pin</u>	<u>Electrode</u>	
<u>RATING</u>			<u>Note</u>		
Heater current	(A)	0.425		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	A	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		
			<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
			A (mm)	-	90
			B (mm)	-	30
This valve type is obsolete and this specification is for record purposes only.			<u>NOTE</u> 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)		
(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 ( $\mu$ A)	-	1.0	100%	1
(e)	0.425	250	- 6.0	100	0	Ia (mA)	-	0.2	100%	1

NOTE

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