

VALVE ELECTRONIC **CV 1722**

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

(FOVT 179)

Specification: G.P.O./CV 1722/Issue 1 Dated: 30-8-46 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> Tetrode <u>CATHODE:</u> Indirectly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE:</u> A 901			<u>MARKING</u> See K 1001/4		
<u>RATING</u>		<u>Note</u> A	<u>BASE</u> British 7-pin (B7)		
Heater current (A) 1.4 Nominal heater voltage (V) 5.5 Max. anode voltage (V) 135 Max. screen voltage (V) 135 Mutual conductance (mA/V) 10.0			<u>CONNEXIONS</u>		
<u>CAPACITANCES (pF)</u>			Pin	Electrode	
C _{ag} (max) 5.0			1	No connection	
C _{ae} (max) 15.0			2	G1	
C _{ge} (max) 25.0			3	G2	
			4	Heater	
			5	Heater	
			6	Cathode	
			7	Anode	
			<u>DIMENSIONS</u>		
			See K 1001/A1/D1		
			Dimension	Min.	Max.
			A (mm)	-	120
			B (mm)	-	50
<u>NOTE</u> A. Measured with $V_a = V_{g2} = 130$, and $I_a = 70$ mA.					

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	Links to H.P.	Links to L.P.	Links to E.				Min.	Max.		
(a)	See K 1001/A III					CAPACITANCES (pF)				
	7	2	1,3,4,5,6,8,10,TC1,TC2				-	5.0	6 per week	
	7	3,4,5,6	1,2,8,9,10,TC1,TC2				-	15.0	6 per week	
	2	3,4,5,6	1,7,8,9,10,TC1,TC2				-	25.0	6 per week	
	Ih (A)	Va (V)	Vg1	Vg2	Ia (mA)					
(b)	1.4	0	0	0	0	Vh (V)	4.85	6.35	100%	
(c)	1.4	130	Read	130	70	Vg1 (V)	5.3	10.5	100%	
(d)	1.4	130	Change	130	-	gm (mA/V)	7.0	13.0	100%	1
(e)	1.4	130	-	130	70	Ig2 (mA)	-	10.0	100%	
(f)	1.4	130	-	130	70	Reverse Ig1 (μA)	-	2.5	100%	
<u>NOTE</u>										
1. Vg1 shall be varied \pm 0.5 volt about the value obtained in test (c).										