

VALVE ELECTRONIC **CV1727**GENERAL POST OFFICE: E-IN-C (S)

(POVT 188)

Specification: G.P.O./CV 1727/Issue 1 Dated: 17-10-46 To be read in conjunction with K 1001	<table border="1"> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>Restricted</td><td>Restricted</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	Restricted	Restricted
<u>SECURITY</u>							
<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> Directly heated				See K 1001/4		
<u>ENVELOPE:</u> Metallised glass				<u>BASE</u>		
<u>PROTOTYPE</u> SP 210				British 7-pin (B7)		
<u>RATING</u>				Note	<u>CONNEXIONS</u>	
					Pin	Electrode
Filament voltage	(V)	2.0	A	1	Metallising	
Nominal filament current	(A)	0.1		2	G1	
Max. anode voltage	(V)	150		3	G3	
Max. screen voltage	(V)	150		4	Filament	
Mutual conductance	(mA/V)	1.45		5	Filament	
				6	Pin omitted	
				7	G2	
				T.C.	Anode	
				<u>TOP CAP</u>		
				See K 1001/A1/D5.1		
				<u>DIMENSIONS</u>		
				See K 1001/A1/D1		
				Dimension	Min.	Max.
				A (mm)	-	130
				B (mm)	-	42
<u>NOTE</u>						
A. Measured with $V_a = V_{g2} = 120$, $V_{g3} = 0$, and $V_{g1} = -0.5$						

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	Vf	Va	Vg1	Vg2	Vg3		Min.	Max.		
(a)	2.0	0	0	0	0	If (A)	0.08	0.12	100%	
(b)	2.0	120	- 1.0	120	0	Reverse Ig (μ A)	-	1.0	100%	
(c)	2.0	120	$\frac{0}{- 1}$	120	0	gm (mA/V)	1.06	-	100%	
(d)	2.0	120	0	120	0	Ia (mA)	1.6	3.5	100%	
(e)	2.0	120	0	120	0	Ig2 (mA)	0.45	1.1	100%	