

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

→ indicates a change

<u>TYPE OF VALVE:</u> H.F. Pentode <u>CATHODE:</u> Directly heated <u>ENVELOPE:</u> Metallised glass <u>PROTOTYPE</u> SP 210			<u>MARKING</u> See K 1001/4		
			<u>BASE</u> British 7-pin (B7)		
<u>RATING</u>			<u>CONNEXIONS</u>		
		Note	Pin	Electrode	
Filament voltage	(V)	2.0	1	Metallising G1 G3 Filament Filament Pin omitted G2 Anode	
Nominal filament current	(A)	0.1	2		
Max. anode voltage	(V)	150	3		
Max. screen voltage	(V)	150	4		
Mutual conductance	(mA/V)	1.45	5		
		A	6		
			7		
			T.C.		
			<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	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%	