

VALVE ELECTRONIC **CV 1735**GENERAL POST OFFICE: E-IN-C (S)

(POVT 92)

Specification: G.P.O./CV 1735/Issue 1	<u>SECURITY</u>	
Dated: 25-4-47	<u>Specification</u>	<u>Valve</u>
To be read in conjunction with K 1001	Restricted	Restricted

---> indicates a change

<u>TYPE OF VALVE:</u> Triode				<u>MARKING</u>			
<u>CATHODE:</u> Indirectly heated				See K 1001/4			
<u>ENVELOPE:</u> Unmetallised glass							
<u>PROTOTYPE</u> DC 2/P							
<u>RATING</u>				<u>BASE</u>			
				British 5-pin (B5)			
				<u>CONNEXIONS</u>			
				<u>Pin</u>		<u>Electrode</u>	
Heater current (A) 0.1				1		Anode	
Nominal heater voltage (V) 35.0				2		Grid	
Max. anode voltage (V) 200				3		Heater	
Mutual conductance (mA/V) 3.75				4		Heater	
Amplification factor 10.0				5		Cathode	
Anode impedance (ohms) 2,650							
				<u>DIMENSIONS</u>			
				See K 1001/A1/D1			
				<u>Dimension</u>		<u>Min.</u>	<u>Max.</u>
				A (mm)		-	128
				B (mm)		-	58

This valve type is obsolete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

NOTE

A. Measured with $V_a = 100$,
and $V_g = 0$

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
	I _b (A)	V _a	V _g		Min.	Max.		
(a)	0.1	-	-	V _h (V)	31.5	38.5	100%	
(b)	0.1	100	0	Mutual impedance (ohms)	165	270	100%	
(c)	0.1	100	0	R _a (ohms)	1,600	3,200	100%	
(d)	0.1	100	- 2	Reverse I _g (μA)	-	1.0	100%	