

VALVE ELECTRONIC **CV1715**GENERAL POST OFFICE: E-IN-C (W)

(POVT 166)

Specification: G.P.O./CV1715/Issue 1	<u>SECURITY</u>	
Dated: 19.3.47	<u>Specification</u>	<u>Valve</u>
To be read in conjunction with K 1001	Restricted	Restricted

-----> indicates a change

<u>TYPE OF VALVE:</u> Double diode triode <u>CATHODE:</u> Indirectly heated <u>ENVELOPE:</u> Metallised glass <u>PROTOTYPE:</u> EBC3				<u>MARKING</u> See K1001/4		
				<u>BASE</u> Side contact (SC8)		
<u>RATING</u>				<u>CONNEXIONS</u>		
				Note	Pin	Electrode
Heater voltage	(V)	6.3			1	Metallising
Nominal heater current	(A)	0.2			2	Heater
Max. anode voltage	(V)	300.0			3	Heater
Max. anode dissipation	(W)	1.5			4	Cathode
Mutual conductance	(mA/V)	2.0	A		5	Diode 1
Anode impedance(triode)	(ohms)	15,000	A		6	Diode 2
Amplification factor		30.0	A		7	No connection
					8	Anode
					T.C.	Grid
				<u>TOP CAP</u> See K1001/A1/D5.2		
				<u>DIMENSIONS</u> See K1001/A1/D1		
				Dimension		Min.
						Max.
				A (mm)		-
				B (mm)		90
						32
This valve type is obsolete and this specification is for record purposes only.				<u>NOTE</u> A. Measured with $V_a = 250$, $V_g = -3$, and $V_d = 0$		

To be performed in addition to those applicable in K1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	Vh(V)	Va	Vg	Vd1	Vd2		Min.	Max.		
(a)	6.3	-	-	-	-	Ih (A)	0.18	0.22	100%	1
(b)	6.3	250	-6	-	-	Ia (mA)	1.7	5.8	100%	1
(c)	6.3	250	0	-	-	Ia (mA)	15.5	26.5	100%	1
(d)	6.3	250	-12	-	-	Ia (μA)	-	45.0	100%	1
(e)	6.3	250	-5	-	-	Reverse Ig (μA)	-	0.7	100%	1
(f)	6.3	-	-	10	-	Id1 (mA)	3.75	14.5	100%	1
(g)	6.3	-	-	-	10	Id2 (mA)	3.75	14.5	100%	1

NOTE

- Before commencing the tests, the valve shall be pre-heated for 10 minutes, the heater voltage being adjusted to 6.3 volts with all other electrodes disconnected.