

VALVE ELECTRONIC **CV.245**

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

(POVT 185)

Specification: G.P.O./CV 245/Issue 3 Dated: 24.4.46 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> Fentode <u>CATHODE:</u> Indirectly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE</u> 4328D		<u>MARKING</u> See K 1001/4		
<u>RATING</u>		<u>Note</u> A	<u>BASE</u> International Octal (IO)	
Heater current (A) 0.425 Nominal heater voltage (V) 7.5 Max. anode voltage (V) 250 Max. screen voltage (V) 180 Mutual conductance (mA/V) 1.9			<u>CONNEXIONS</u>	
			<u>Pin</u>	<u>Electrode</u>
			1	No connection
			2	Heater
			3	Anode
			4	G2
			5	G3
			6	Pin omitted
			7	Heater
			8	Cathode
			T.C.	G1
			<u>TOP CAP</u> See K 1001/A1/D5.2	
			<u>DIMENSIONS</u> See K 1001/A1/D1	
			<u>Dimension</u>	<u>Min.</u>
			A (mm)	-
			B (mm)	-
				<u>Max.</u>
				125
				38
<u>NOTE</u> A.. Measured with $V_a = 250$, $V_{g2} = 180$, $V_{g3} = 0$, and $V_{g1} = -5.5$				

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	Ih(A)	Va	Vg2	Vg1	Vg3		Min.	Max.		
(a)	0.425	0	0	0	0	Vh (V)	7.0	8.0	100%	
(b)	0.425	250	180	-5.5	0	Ia (mA)	4.75	8.5	100%	
(c)	0.425	250	180	-5.5	0	Ig2 (mA)	1.0	2.0	100%	
(d)	0.425	250	180	-5.5	0	Reverse Ig (μ A)	-	0.5	100%	
(e)	0.425	250	180	-5.5	0	gm (mA/V)	1.5	2.25	100%	
(f)	0.40	250	180	-5.5	0	Change in gm	-	15% of test(e)	100%	