

VALVE ELECTRONIC CVI689

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

(POVT 125)

Specification: G.P.O./CVI689/Issue 1	<u>SECURITY</u>	
Dated: 21.2.47	<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 K1001/4			
<u>ENVELOPE:</u> Uremetallised glass							
<u>PROTOTYPE</u> 3B/100B; PA1							
<u>RATING</u>				<u>BASE</u>			
				British 5-pin (B5)			
				<u>CONNEXIONS</u>			
Heater voltage (V)			4.0	Pin		Electrode	
Nominal heater current (A)			1.1	1		Anode	
Max. anode voltage (V)			200	2		Grid	
Amplification factor			13.0	3		Heater	
Mutual conductance (mA/V)			6.5	4		Heater	
Anode impedance (ohms)			2,000	5		Cathode	
				<u>DIMENSIONS</u>			
				See K1001/A1/D1			
				Dimension		Min.	Max.
				A (mm)		-	125
				B (mm)		-	50

This valve type is obsolete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

NOTE

A. Measured with $V_a = 200$
and $V_g = -10$

TESTS

To be performed in addition to those applicable in K1C01

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
	V _h (V)	V _a	V _g		Min.	Max.		
(a)	4.0	-	-	I _h (A)	1.0	1.2	100%	
(b)	4.0	200	-10	Reverse I _g (μA)	-	3.0	100%	
(c)	4.0	200	-10	I _a (mA)	25.0	55.0	100%	
(d)	4.0	200	-10	μ	11.0	15.0	100%	
(e)	4.0	200	-10	g _m (mA/V)	6.0	-	100%	
(f)	4.0	12V. A.C.(R.M.S)		I _e (mA)	150	-	100%	