

VALVE ELECTRONIC CV1690

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

(POVT 128)

Specification: G.P.O./CV1690/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> H.F. Pentode				<u>MARKING</u>		
<u>CATHODE:</u> Indirectly heated				See K1001/4		
<u>ENVELOPE:</u> Unmetallised glass				<u>BASE</u>		
<u>PROTOTYPE:</u> 9A1				British 5-pin (B5)		
<u>RATING</u>			Note	<u>CONNEXIONS</u>		
				Pin	Electrode	
Heater voltage	(V)	4.0	A	1	G2	
Nominal heater current	(A)	1.0		2	G1	
Max. anode voltage	(V)	250		3	Heater	
Max. Screen voltage	(V)	100		4	Heater	
Mutual conductance	(mA/V)	4.25		5	Cathode & G3	
				T.C.	Anode	
				<u>TOP CAP</u>		
				See K1001/A1/D5.1		
				<u>DIMENSIONS</u>		
				See K1001/A1/D1		
				Dimension	Min.	Max.
				A (mm)	-	140
				B (mm)	-	51

This valve type is obsolete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

NOTE

A. Measured with $V_a = 200$,
 $V_{g2} = 100$, and $V_{g1} = -1$

To be performed in addition to those applicable in K1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	Vh(V)	Va	Vg1	Vg2	Vg3		Min.	Max.		
(a)	4.0	-	-	-	-	Ih (A)	0.8	1.2	100%	
(b)	4.0	200	-2	100	0	Ia (mA)	4.0	9.0	100%	
(c)	4.0	200	-35	100	0	Ia (mA)	-	0.1	100%	
(d)	4.0	200	-2	100	0	Ig2 (mA)	1.0	4.0	100%	
(e)	4.0	200	-2	100	0	gm (mA/V)	2.5	-	100%	
			0							
(f)	4.0	200	-35	100	0	gm (mA/V)	-	0.06	100%	
			-20							