

VALVE ELECTRONIC **CV1690**GENERAL POST OFFICE: E-IN-C (W)

(POVT 126)

Specification: G.P.O./CV1690/Issue 1 Dated: 21.2.47 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> H.F. Pentode		<u>MARKING</u> See K1001/4		
<u>CATHODE:</u> Indirectly heated		<u>BASE</u> British 5-pin (B5)		
<u>ENVELOPE:</u> Unmetallised glass		<u>CONNEXIONS</u>		
<u>PROTOTYPE:</u> 9A1		<u>RATING</u>	<u>Note</u>	
Heater voltage	(V) 4.0	A	Pin	Electrode
Nominal heater current	(A) 1.0		1	G2
Max. anode voltage	(V) 250		2	G1
Max. Screen voltage	(V) 100		3	Heater
Mutual conductance	(mA/V) 4.25		4	Heater
			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This valve type is obsolete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 $V_{g1} = -1$

TESTS

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							