

VALVE ELECTRONIC

CVI664

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

(POVT 88.) AR 13 ←

Specification: G.P.O./CV 1664/Issue 3 Dated: 18.6.47 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> Triode <u>CATHODE:</u> Directly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE:</u> 4.022 AR			<u>MARKING</u> See K 1001/4		
<u>RATING</u>		Note	<u>BASE</u> Bayonet cap 4-pin (BC4) See drawing on page 3 and Note B.		
Filament current	(A)		0.25	<u>CONNECTIONS</u>	
Nominal filament voltage	(V)		4.0	Pin	Electrode
Max. anode voltage	(V)		190	1	Grid
Mutual conductance	(mA/V)		2.2	2	Filament -
Amplification factor			12.0	3	Filament +
Anode impedance	(ohms)	5,500	4	Anode	
<u>CAPACITANCES (pF)</u>			<u>DIMENSIONS</u> See K 1001/A1/D1		
Cag	(max)		Dimension	Min.	Max.
Cas	(max)		A (mm)	-	120
Cgs	(max)		B (mm)	-	50
<u>NOTE</u>					
A. Measured with $V_a = 130$, and $V_g = -4.5$					
B. The axis of the bayonet locating pin shall lie within 25° of the plane of the filament.					

Officially amended

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TESTS

To be performed in addition to those applicable in K 1001

TEST CONDITIONS				TEST	LIMITS		No. Tested	Note
					Min.	Max.		
See K 1001/A III				<u>CAPACITANCES (pF)</u>				
(a)	Links to H.P.	Links to L.P.	Links to E.					
	4	1	2,3,5,6,7,8,9,10,TC1,TC2	(i) Cag	-	12.0	6 per week	
	4	2,3	1,5,6,7,8,9,10,TC1, TC2	(ii) Cae	-	5.0	6 per week	
	1	2,3	4,5,6,7,8,9,10,TC1,TC2	(iii) Cge	-	9.0	6 per week	
	If (A)	Va	Vg					
(b)	0.25	-	-	Vf (v)	3.7	4.3	100%	
(c)	0.25	130	-4.5	Ra"x" (ohms)	4200	6800	100%	
(d)	0.23	130	-4.5	Ra"y" (ohms)	-	1.2"x"	100%	1
(e)	0.25	130	-4.5	μ	10.8	13.3	100%	
(f)	0.25	130	-4.5	Reverse Ig (μA)	-	0.5	100%	
(g)	0.25	130	-13	Ia (μA)	-	200	100%	
<u>NOTE</u>								
1. Re-adjust If with Va = Vg = 0								

OUTLINE DRAWING

