

# VALVE ELECTRONIC CV 1663

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

POVT 87, AR 20

Specification: G.P.O./CV 1663/Issue 1 Dated: 18.10.45 To be read in conjunction with K1001	<u>SECURITY</u> Specification      Valve Restricted          Restricted
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—————> indicates a change

<u>TYPE OF VALVE:</u> Triode <u>CATHODE:</u> Directly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE:</u> 4021B	<u>MARKING</u> See K1001/4																																																						
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<u>NOTES</u> A. Measured with V <sub>a</sub> = 130 and V <sub>g</sub> = -8 B. The plane of the anode and grid pins shall lie within 25° of the plane of the filament.																																																							

**TESTS**

To be performed in addition to those applicable in K1001

	TEST CONDITIONS			TEST	LIMITS		No. tested	Note
	See K1001/AIII				Min.	Max.		
(a)	Links to H.P.	Links to L.P.	Links to E	CAPACITANCES (pF)				
	1	2	3,4,5,6,7 8,9,10, T.C.1, T.C.2	(i) Cag	-	10.0	6 per week	
	2	3,4	1,5,6,7,8 9,10 T.C.1, T.C.2	(ii) Cge	-	9.0	"	
	1	3,4	2,5,6,7,8 9,10 T.C.1, T.C.2	(iii) Cae	-	5.0	"	
	If (A) D.C	Va	Vg					
(b)	0.25	-	-	Vf	3.7	4.3	100%	
(c)	0.25	130	-8	Ia (mA)	-	35	100%	
(d)	0.25	130	-8	Ra "X" (ohms)	1800	2400	100%	
(e)	0.25	130	-8	Ra (ohms)	-	1.2"X"	100%	1
(f)	0.25	130	-8	Reverse Ig ( $\mu$ A)	-	0.5	100%	
(g)	0.25	130	-30	Ia (mA)	-	0.2	100%	
(h)	0.25	130	-8	$\mu$	5	7	100%	
<u>NOTES</u>								
1. Re-adjust If with Va = Vg = 0								