

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

Specification: G.P.O./CV1688 Issue 2 Dated: 31. 10. 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> Indirectly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE</u> 4033 L			<u>MARKING</u> See K 1001/4			
<u>RATING</u>			<u>BASE</u> British 5-pin (B5) <u>CONNEXIONS</u>			
Heater voltage (V)	6.0	Note A A A	PIN	ELECTRODE		
Nominal heater current (A)	1.4		1	Anode		
Max. Anode voltage (V)	600		2	Grid		
Max. Anode current (mA)	170		3	Heater		
Max. Anode dissipation (W)	25.0		4	Heater		
Amplification factor	15.0		5	Cathode		
Mutual conductance (mA/V)	9.0		<u>DIMENSIONS</u> See K 1001/A1/D1			
Anode impedance (ohms)	1670		Dimension	Min.	Max.	
		A (mm)	-	125		
		B (mm)	-	57		
<u>NOTE</u> A. Measured with $V_a = 400$, and $V_{g1} = -20V$						

TESTS

To be performed in addition to those applicable in K1001

	TEST CONDITIONS				TEST	LIMITS		Tested	Note
	Vh(V)	Va	Vg	Ia(mA)		Min.	Max.		
(a)	6.0	-	-	-	Ih (A)	1.25	1.55	100%	
(b)	6.0	400	-20	Read	Ia (mA)	40	70	100%	
(c)	6.0	300	Read	As in Test(b)	Vg (V)	-11.5	-15.5	100%	
(d)	6.0	300	Read	As in Test(b)	μ	12	22	100%	
		400	Read						
(e)	6.0	400	-21	Read	gm (mA/V)	6.5	-	100%	
			-20	Read					
(f)	6.0	400	Adjust	75	Reverse Ig (μ A)	-	5.0	100%	1

NOTE

- The duration of test (f) shall be 2 minutes, and the reverse grid current shall not be rising at the end of the test.