

Specification MAP/CV1096/Issue 6 Dated 25.1.49 To be read in conjunction with K1001.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;"><u>SECURITY</u></th> </tr> <tr> <td style="width: 50%; text-align: center;"><u>Specification</u> RESTRICTED</td> <td style="width: 50%; text-align: center;"><u>Valve</u> UNCLASSIFIED</td> </tr> </table>		<u>SECURITY</u>		<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED																																																							
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<u>TYPE OF VALVE</u> - Pentode <u>CATHODE</u> - Directly heated - Thoriated Tungsten <u>ENVELOPE</u> - Unmetallised <u>PROTOTYPE</u> - 5B/502A		<u>MARKING</u> See K1001/4 <u>PACKING</u> See K1005																																																												
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<u>NOTES</u> A - $V_a = 1250V$, $V_{g1} = -13.0V$, $V_{g2} = 300V$, $V_{g3} = 0$.																																																														

TESTS

To be performed in addition to those applicable in K1001.

Test Conditions							Test	Limits		No. Tested
	Vf (AG)	Va	Vg2	Vg3	Vg1	Ia		Min.	Max.	
a	12.0	0	0	0	0	0	If (A)	1.8	2.2	100%
b	12.0	Strapped 750V. (Note 1)			applied		Peak Ic Emission (A)	1.75	-	100%
c	12.0	1500	300	0	-	50	Reverse Ig after 3 mins. (mA) and must not increase during remaining 2 mins.	-	10	100%
d	12.0	1500	300	0	-32	-	Ia (mA)	-	5	100%
e	12.0	1500	300	0	-15	-	Ia (mA)	23	37	100%
f	12.0	1500	300	0	-20	-	Ia (mA)	10	20	100%
g	12.0	1500	300	0	-15 to -20	-	Ia change (mA)	13	17	100%
h	12.0	1500	300	0	-15	-	Ig2 (mA)	4.0	8.5	100%
j	12.0	1500	300	+20	-16	-	Ia (mA)	23	35	100%
k	12.0	1500	300	+20 to -100	-16	-	Ia change (mA)	2	5	100%
l	Conditions as in tests (j) and (k)						Ig3 change (mA)	-	1.0	100%

NOTE

- To be maintained only for sufficient time for the measurement to be made.