

Specification MAP/ CV54/Issue 4 Dated 25.9.46. To be read in conjunction with K1001 ignoring clauses 5.2, 5.8	<table> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>RESTRICTED Unclass</td><td>RESTRICTED Unclass</td></tr> </table>	SECURITY		Specification	Valve	RESTRICTED Unclass	RESTRICTED Unclass
SECURITY							
Specification	Valve						
RESTRICTED Unclass	RESTRICTED Unclass						

— Indicates a change

<u>TYPE OF VALVE:</u> High Vacuum half-wave rectifier			<u>MARKING</u> See K1001/4.		
<u>CATHODE</u> : Directly heated					
<u>ENVELOPE</u> : Glass-unmetallised					
<u>RATING</u>			<u>BASE</u> B4		
			<u>Note</u>		
Filament Voltage (V)	4.0		Pin	Electrode	
Filament Current (A)	1.2		1	No connection	
Max. Applied RMS Anode Voltage (kV)	2.5		2	No connection	
Max. Mean Rectified Current (mA)	60		3	Filament	
Max. No Load Peak Inverse Voltage (kV)	7.0		4	Filament	
Max. Working Peak Inverse Voltage (kV)	6.5		T.C.	Anode	
Max. Peak Anode Current (mA)	400		<u>TOP CAP</u> See K1001/AI/D5.1		
Max. Reservoir Condenser (μ F)	1.0		<u>DIMENSIONS</u> See K1001/AI/D1		
Min. Limiting Resistor Introduced Externally (Ω)	2,000				
(Ratings apply to Condenser Input Filter and 50 c.p.s. Supply)					
			Dimension	Min.	Max.
			A (mm)	132	145
		B (mm)	-	55	

To be performed in addition to those applicable in K1001

	Test Conditions		Test	Limits		No. Tested
	Vf	Va		Min.	Max.	
a	4.0 (A.C. or D.C.)	0	If (A)	-	1.45	100% or S
b	4.0 (A.C. or D.C.)	50 D.C. max.	Ia (mA)	60	-	100%
c	4.0 A.C.	Input voltage 2500V. R.M.S. Frequency 50 c.p.s. D.C. load 60mA nominal Reservoir Conden- ser 1 μ F. Effec- tive resistance per anode intro- duced externally 2000 Ω	Load Test. Run 40 seconds - after first 10 seconds switch anode supply three times. 5 seconds off and 5 seconds on - reject for softness or persistent flashover.			100%