

Specification MAP/ CV54/Issue 4 Dated 25.9.46. To be read in conjunction with K1001 ignoring clauses 5.2, 5.8	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

—————> Indicates a change

<u>TYPE OF VALVE</u> : High Vacuum half-wave rectifier <u>CATHODE</u> : Directly heated <u>ENVELOPE</u> : Glass-unmetallised		<u>MARKING</u> See K1001/4	
<u>RATING</u>		<u>BASE</u> B4	
	Note	Pin	Electrode
Filament Voltage (V)	4.0	1	No connection
Filament Current (A)	1.2	2	No connection
Max. Applied RMS Anode Voltage (kV)	2.5	3	Filament
Max. Mean Rectified Current (mA)	60	4	Filament
Max. No Load Peak Inverse Voltage (kV)	7.0	T.C.	Anode
Max. Working Peak Inverse Voltage (kV)	6.5	<u>TOP CAP</u> See K1001/Al/D5.1	
Max. Peak Anode Current (mA)	400	<u>DIMENSIONS</u> See K1001/Al/D1	
Max. Reservoir Condenser (μ F)	1.0	Dimension	Min. Max.
Min. Limiting Resistor Introduced Externally (Ω)	2,000	A (mm)	132 145
(Ratings apply to Condenser Input Filter and 50 c.p.s. Supply)		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. Effe- ctive resistance per anode intro- duced externally 2000 Ω	<u>Load Test.</u> 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%