

Specification MAP/CV1039/Issue 5 Dated 24.8.46. 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 Full-Wave Rectifier		<u>MARKING</u>		
<u>CATHODE</u>	- Indirectly heated	See K1001/4.		
<u>ENVELOPE</u>	- Glass - unmetallised			
<u>PROTOTYPE</u>	- MU12/14, UU5, IW4, 44IU			
<u>RATING</u>		<u>BASE</u>		
		B4		
		Pin	Electrode	
Heater Voltage (V)	4.0	1	Anode	
Heater Current (A)	2.5	2	Anode	
Max. Applied R.M.S. Voltage (V)	500	3	Heater and Cathode	
Max. Working Peak Inverse Voltage (V)	1350	4	Heater	
Max. No Load Peak Inverse Voltage (V)	1500	<u>DIMENSIONS</u>		
Max. Mean D.C. Rectified Current (mA)	120	See K1001/AI/D1		
Max. Peak Anode Current (mA)	400	Dimension	Min.	Max.
Max. Reservoir Condenser (uF)	16	A (mm)	-	136
Min. Limiting resistance per Anode introduced externally (Ω)	150	B (mm)	-	52

To be performed in addition to those applicable in K1001

	Test Conditions			Limits		No. Tested
	Vh	Va		Min.	Max.	
a	4.0 (AC or DC)	0	Ih (A)		2.8	100% or S
b	4.0 (AC)	Input voltage 500-0-500 R.M.S Frequency 50 c.p.s. D.C.Load 120 mA. Reservoir Condenser 4 μ F. Effective resis- tance in series with each anode 150 Ω approx.	Load Test Output Vol- tage	510	-	100%