

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> See K1001/4		
<u>CATHODE</u> - Indirectly heated					
<u>ENVELOPE</u> - Glass - unmetallised					
<u>PROTOTYPE</u> - MU12/14, UU5, IW4, 44, IU					
<u>RATING</u>		Note	<u>BASE</u> B4		
Heater Voltage (V)	4.0		Pin	Electrode	
Heater Current (A)	2.5				
Max. Applied R.M.S. Voltage (V)	500		1	Anode	
Max. Working Peak Inverse Voltage (V)	1350		2	Anode	
Max. No Load Peak Inverse Voltage (V)	1500		3	Heater and Cathode	
Max. Mean D.C. Rectified Current (mA)	120		4	Heater	
Max. Peak Anode Current (mA)	400		<u>DIMENSIONS</u> See K1001/AI/D1		
Max. Reservoir Condenser (μF)	16	Dimension	Min.	Max.	
Min. Limiting resistance per Anode introduced externally (Ω)	150	A (mm)	-	136	
		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.	<u>Load Test</u> Output Vol- tage	510	-	100%