

Specification MAP/OV1133/Issue 4 Dated 5.10.46. To be read in conjunction with K1001 ignoring clauses:- 5.2, 5.8	<u>SECURITY</u> <u>Specification</u> RESTRICTED <u>Valve</u> RESTRICTED
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—————> Indicates a change

<u>TYPE OF VALVE</u> - High Vacuum Half-Wave Rectifier				<u>MARKING</u> See K1001/4			
<u>CATHODE</u> - Indirectly Heated							
<u>ENVELOPE</u> - Glass-Ummetallised							
<u>RATING</u>			Note	<u>BASE</u> B4			
Heater Voltage	(V)	4.0	A	Pin	Electrode		
Heater Current	(A)	1.35		1	No connection		
Max. Applied RMS Voltage	(V)	2500		2	No connection		
Max. Working Peak Inverse Voltage	(V)	6500		3	Cathode and Heater		
Max. No Load Peak Inverse Voltage	(V)	7000		4	Heater		
Max. Mean D.C. Rectified Current	(mA)	60		Top Cap	Anode		
Max. Peak Anode Current	(mA)	400		<u>TOP CAP</u> See K1001/Al/5.1			
Max. Reservoir Condenser	(μF)	1.0		<u>DIMENSIONS</u> See K1001/Al/D1			
Min. Limiting Resistance Introduced Externally	(Ω)	850		Dimension	Min.	Max.	
(Ratings apply to Condenser input Filter 50 cps. supply)				A	(mm)	132	143
			B	(mm)	-	55	

NOTE

A. Heater voltage to be applied for at least 15 seconds before the anode supply is applied

To be performed in addition to those applicable in K1001

	Test Conditions		Test	Limits		No. Tested
	Vh	Va		Min.	Max.	
a	4.0V AC or DC	0	Ih (A)	-	1.55	100% or S
b	4.0V AC or DC	80V D.C. max.	Ia (mA)	100	-	100%
c	4.0V. A.C.	Input Voltage 2500v RMS Frequency 50 cps. DC. Load 60mA (nominal) Reservoir Con- denser 1 μ F Effective re- sistance per anode intro- duced extern- ally 850 (Ω)	<u>Load Test</u> Run 1 minute - Reject for softness or persistent flashover			100%