

Specification MAP/CV1134/Issue 4 Dated 4.10.46. To be read in conjunction with K1001, ignoring clauses 5.2, 5.8.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

—————> 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>BASE</u> British 4-pin	
<u>ENVELOPE</u> - Glass-unmetallised.			
<u>PROTOTYPE</u> - HVR2.			
<u>RATING</u>		Pin	Electrode
			Note
Heater Voltage (V)	4.0	1	No connection
Heater Current (A)	0.65	2	No connection
Max. Applied R.M.S. Voltage (kV)	6.0	3	Heater and Cathode
Max. Working Peak Inverse Voltage (kV)	17	4	Heater
Max. No Load Peak Inverse Voltage (kV)	18	TC	Anode
Max. Mean D.C. Rectified Current (mA)	3.0	<u>TOP CAP</u> See K1001/AI/D5.1	
Max. Peak Anode Current (mA)	60	<u>DIMENSIONS</u> See K1001/AI/D1.	
Max. Reservoir Condenser (μF)	0.25	Dimension	Min. Max.
Min. Limiting Resistance introduced externally (Ω)	10,000	A (mm)	- 130
		B (mm)	- 46
(Ratings apply to condenser input filter and 50 cps. supply).		The diameter of the base shall not exceed 35.5 mm. up to a height of 14 mm. from the bottom of the base.	

To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested
	Vh	Va		Min.	Max.	
a	4.0 A.C. or D.C.	-	Ih (A)	-	0.73	100% or S
b	4.0 A.C. or D.C.	110 V.D.C.	Ia (mA)	15	-	100%
c	4.0 A.C.	Input voltage 6000 RMS. Frequency 50 ops. D.C. Load 3 mA. Reservoir Con- denser 0.25 μ F Effective re- sistance per Anode introduced externally 10,000 Ω	Load Test. Run 1 minute reject for softness or persistent flashover.			100%