

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

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 cps. 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%