

Specification MAF/CV1001/Issue 3. Dated 20.1.49. To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.8.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

→ 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>PACKING</u> See K1005.	
<u>ENVELOPE</u> - Glass-ummatalised.			
<u>RATING</u>		<u>BASE</u> B4	
	Note	Pin	Electrode
Heater Voltage (V)	2.0	1	No connection
Heater Current (A)	1.5	2	No connection
Max. Applied R.M.S. Voltage (V)	5000	3	Heater and Cathode
Max. Working Peak Inverse Voltage (V)	14000	4	Heater
Max. No Load Peak Inverse Voltage (V)	15000	T.C.	Anode
Max. Mean D.C. Rectified Current (mA)	3.0	<u>PLUG 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	Dimensions	Min. Max.
Min. Limiting Resistance introduced externally (Ω)	10000	A (mm)	120 134
<u>NOTE</u> A:- Ratings apply to condenser input filter and 50 c.p.s. supply.		B (mm)	- 51
		Base shell diameter not to exceed 33mm. for a height of 6.5mm. from the bottom of the base moulding.	

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TESTS

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To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested	Note
	Vh	Va		Min.	Max.		
a	2.0V. A.C. or D.C.	-	Ih (A)	-	2.2	100% or S	
b	2.0V. A.C. or D.C.	200V.D.C. Max.	Ia (mA)	50	-	100%	1
c	2.0V. A.C.	Input Voltage 5,000V. R.M.S. Frequency 50 c.p.s. D.C. Load 3mA (nom.) Reservoir Condenser 0.25 μ F. Effective Resistance per anode introduced externally 10,000 Ω	<u>Load Test</u> Run 1 min. Reject for softness or persistent flashover.			100%	

NOTE

1:- Applied only for sufficient time to obtain steady reading (approx. 2 secs.).

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