

Specification MAP/CV1508/Issue 6 Dated 9.1.46. 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> - Half wave rectifier <u>CATHODE</u> - Directly heated. <u>ENVELOPE</u> - Glass-unmetallised <u>PROTOTYPE</u> - V.1913		<u>MARKING</u> See K1001/4		
<u>RATING</u>		Note	<u>BASE</u>	
Filament Voltage (V)	4.0	B	B4	
Filament Current (A)	3.0		Pin	Electrode
Max. Anode Voltage (RMS) (V)	2750		1	No connection
Max. Working Peak Inverse Voltage (kV)	7.0		2	No connection
Max. no-load Peak Inverse Voltage (kV)	8.0		3	Filament
Max. D.C. Output Current (mA)	125		4	Filament
Max. Peak Anode Current (A)	1.0		TC.	Anode
Max. Reservoir Condenser (uF)	4		<u>TOP CAP</u>	
Min. Limiting Resistance Introduced Externally (Ω)	350		See K1001/AI/D5.1	
			<u>DIMENSIONS</u>	
		See K1001/AI/D1		
		Dimension	Min. Max.	
		A (mm)	- 185	
		B (mm)	- 66	

NOTES

A:- Ratings apply to condenser input filter and 50 c.p.s. supply.

B:- Filament voltage must be applied at least 10 seconds before anode voltage.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested
	V _f	V _a		Min.	Max.	
a	4.0	0	I _f (A)	2.7	3.6	100% or S
b	4.0	80 D.C.	I _a (mA)	220	-	100%
c	Reduced from 4.0 to 3.5	80 D.C.	I _a drop	-	20%	100%
d	4.0	Input voltage 2750V. RMS. Frequency of supply 50 c.p.s. D.C. Load current 125mA. Reservoir Condenser 2 μ F. Effective Resistance introduced externally 500 Ω .	Run for 1 min. and then switch off and on. Reject for softness or persistent flashover.			100%

