

Specification MAP/CV1508/Issue 6
 Dated 9.1.46.
 To be read in conjunction with K1001,
 ignoring clauses:- 5.2, 5.8.

SECURITY

Specification

RESTRICTED

Valve

RESTRICTED

—→ Indicates a change

TYPE OF VALVE - Half wave rectifier

CATHODE - Directly heated.

ENVELOPE - Glass-ummetallised

PROTOTYPE - V.1913

MARKING

See K1001/4

RATING

Note

Filament Voltage (V)	4.0
Filament Current (A)	3.0
Max. Anode Voltage (RMS) (V)	2750
Max. Working Peak Inverse Voltage (kV)	7.0
Max. no-load Peak Inverse Voltage (kV)	8.0
Max. D.C. Output Current (mA)	125
Max. Peak Anode Current (A)	1.0
Max. Reservoir Condenser (uF)	4
Min. Limiting Resistance Introduced Externally (Ω)	350

B

BASE

B4

Pin

Electrode

1

No connection

2

No connection

3

Filament

4

Filament

TC.

Anode

TOP CAP

See K1001/Al/D5.1

DIMENSIONS

See K1001/Al/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
	Vf	Va		Min.	Max.	
a	4.0	0	If (A)	2.7	3.6	100% or S
b	4.0	80 D.C.	Ia (mA)	220	-	100%
c	Reduced from 4.0 to 3.5	80 D.C.	Ia 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 extern- ally 500 Ω	Run for 1 min. and then switch off and on. Reject for softness or persis- tent flashover.			100%

