

Specification MAP/CV1113/Issue 4 Dated 16.9.47. 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>CATHODE</u> - Directly heated  <u>ENVELOPE</u> - Glass-unmetallised  <u>PROTOTYPE</u> - U17	<u>MARKING</u>  See K1001/4
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<u>RATING</u>	Note	<u>BASE</u> B4		
Filament Voltage (V)	4.0	Pin	Electrode	
Filament Current (A)	1.0	1	No connection	
Max. Applied R.M.S. Voltage (kV)	2.5	2	No connection	
Max. Working Peak Inverse Voltage (kV)	6.5	3	Filament	
Max. No Load Peak Inverse Voltage (kV)	7.0	4	Filament	
Max. Mean D.C. Output Current (mA)	30	T.C.	Anode	
Max. Peak Anode Current (mA)	200	<u>TOP CAP</u>		
Max. Reservoir Condenser ( $\mu F$ )	1.0	See K1001/AI/D5.1		
Min. Limiting Resistance introduced externally ( $\Omega$ )	2,000	<u>DIMENSIONS</u>		
(Ratings apply to condenser input filter and 50 c.p.s. supply)		Dimensions		Min. Max.
		A (mm)	132	140
		B (mm)	-	50.5

To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested
	Vf	Va		Min.	Max.	
a	4.0A.C. or D.C	-	If (A)	0.9	1.1	100% or S
b	4.0A.C. or D.C	50 D.C.	Ia (mA)	55	-	100%
c	4.0A.C.	Input Voltage 2500V. R.M.S. Frequency 50 c.p.s. D.C. Load Current 30mA. Reser- voir Condenser 1 $\mu$ F. Effec- tive resistance introduced ex- ternally 4000 $\Omega$	<u>Load Test.</u> Run 1 minute, reject for softness or persistent flashover.			100%