

Specification MAP/CV1113/Issue 4 Dated 16.9.47. To be read in conjunction with K1001 ignoring clauses: 5.2, 5.8	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>RESTRICTED</td><td>UNCLASSIFIED</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	RESTRICTED	UNCLASSIFIED
<u>SECURITY</u>							
<u>Specification</u>	<u>Valve</u>						
RESTRICTED	UNCLASSIFIED						

—————> Indicates a change

<u>TYPE OF VALVE</u> - High Vacuum Half-Wave Rectifier			<u>MARKING</u>		
<u>CATHODE</u> - Directly heated			See K1001/4		
<u>ENVELOPE</u> - Glass-unmetallised					
<u>PROTOTYPE</u> - U17					
<u>RATING</u>			<u>BASE</u>		
			B4		
			Note		
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 (μ F)	1.0		See K1001/AI/D5.1		
Min. Limiting Resistance introduced externally(Ω)	2,000		<u>DIMENSIONS</u>		
(Ratings apply to condenser input filter and 50 c.p.s. supply)			See K1001/AI/D1.		
			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 μ F. Effec- tive resistance introduced ex- ternally 4000 Ω	<u>Load Test.</u> Run 1 minute, reject for softness or persistent flashover.			100%