

Specification MAP/CV235/Issue 4 Dated 19.1.49 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> Half wave high vacuum rectifier		<u>MARKING</u> See K.1001/4																	
<u>CATHODE</u> Directly heated		<u>PACKING</u> See K.1005																	
<u>ENVELOPE</u> Glass - unmetallised.		<u>BASE</u> B.4																	
<u>PROTOTYPE</u> U23		<table border="1"> <thead> <tr> <th>Pin</th> <th>Electrode</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>No connection</td> </tr> <tr> <td>2</td> <td>No connection</td> </tr> <tr> <td>3</td> <td>Filament</td> </tr> <tr> <td>4</td> <td>Filament</td> </tr> <tr> <td>T.C.</td> <td>Anode</td> </tr> </tbody> </table>		Pin	Electrode	1	No connection	2	No connection	3	Filament	4	Filament	T.C.	Anode				
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<u>NOTE</u> The above ratings apply under conditions of choke filter input and direct switching.																			

TESTS

To be performed in addition to those applicable in K.1001.

	Test Conditions		Test	Limits		No. Tested
	Vf(V)	Va(V)		Min.	Max.	
a	4.0 A.C. or D.C.	-	If (A)	2.7	3.6	100% or S
b	4.0 A.C. or D.C.	80 D.C. max.	Ia (mA)	360	-	100%
c	4.0 A.C. Valve to be operated in bi-phase half- wave circuit, with load to give a total D.C. output of 500mA nominal. Input choke of 10H followed by 4 $\mu$ F. condenser.	1750 A.C. RMS	Valve to be direct switched, run for one minute and then H.T. switched off and on. There must be no indication of softness or of discharge between electrodes.			100%