

MINISTRY OF SUPPLY (S.R.D.E.)

(ARD4)

Specification MOS/CV1302/Issue 4 Dated 2.1.46. To be read in conjunction with K1001	<table border="1"> <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>Restricted</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	Restricted	Restricted
<u>SECURITY</u>							
<u>Specification</u>	<u>Valve</u>						
Restricted	Restricted						

—————> indicates a change

<u>TYPE OF VALVE:-</u> Single diode			<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated			See K1001/4		
<u>ENVELOPE:-</u> Glass, unmetallised					
<u>PROTOTYPE:-</u> D.42.					
<u>RATING</u>			<u>BASE</u>		
			B4		
			Note		
Filament voltage	(V)	4.0			
Filament current	(A)	0.6			
Max. anode voltage (R.M.S.)	(V)	75			
Max. rectified current	(mA)	15			
			<u>DIMENSIONS</u>		
			See K1001/AI/D1		
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TESTS

To be performed in addition to those applicable in K1001

	Test Conditions		Test	Limits		No. Tested
				Min.	Max.	
	Vf	Va				
a	4.0	-	I _b (A)	0.54	0.66	100% or 3
b	4.0	5.0	(i) I _a (mA)	7.9	-	100%
c	4.0	0	(ii) I _a (mA)	-	1.0	100%
d	4.0	-20	Reverse I _a (μA)	-	5.0	100%
e	<u>Heating Time:-</u>		8.0 volts will be applied to the heater and a 6.67 ohms resistance connected in series. The anode voltage will be adjusted for 5.0 mA anode current. The heater voltage will be switched on again after 15 mins. The anode current shall reach 5.0 mA in not less than 40 seconds.			T.A.