

Specification M.O.S.A./CV.473. Issue 2 Date 4.11.52 To be read in conjunction with K.1001 excluding clause 5.3.	<u>SECURITY</u>	
	<u>Specification</u>	<u>Valve</u>
	UNCLASSIFIED	UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Sub-miniature, Half-wave Rectifier. CATHODE - Indirectly Heated. ENVELOPE - Glass - unmetallised. PROTOTYPE - S.N.954/5641.			<u>MARKING</u>	
			See K.1001/4.	
			<u>BASE</u>	
			B.8.D.	
<u>RATING</u>		Note	<u>CONNECTIONS</u>	
			Pin	Electrode
Heater Voltage	(V) 6.3		1	No connection.
Heater Current	(A) 0.45		2	Anode.
Max. Peak Inverse Voltage	(V) 930		3	Heater.
Max. Mean D.C. Anode Current	(mA) 50		4	Anode.
Max. Peak Anode Current	(mA) 300		5	Cathode.
Max. Surge Anode Current	(A) 1.1		6	Heater.
Max. H-Q Voltage	(V) 465		7	No connection.
			8	Anode.
			<u>DIMENSIONS</u>	
			See K.1001/A1/D10.	
			Dimension	Min. Max.
			Amn.	- 44.45 ←
			Emn.	9.5 10.16

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

Test Conditions				Test	Limits		No. Tested	Note
					Min.	Max.		
	Vh	Va	Ia(mA)					
a	6.3	0		Ih (mA)	420	480	100% or S	
b	6.3	Adjust	100	Va (V)	-	30	100% or S	
	(See Note 1)			D.C. Output Current (mA)	47	-	100%	1, 2.
d	6.3	See K.1001/5.3 except that test voltage = ± 465 V.		Ih-o (μ A)	0	50	100%	

NOTES

1. Measured at $V_a = 275$ R.M.S.; Frequency = 50 c/s with a load resistor of 5,000 ohms and a Reservoir Condenser = 16 μ F.

The valve shall be tested in a half-wave circuit with an effective input impedance adjusted to 300 ohms.

2. Reject for softness or persistent flashing.

ELECTRONIC VALVE SPECIFICATIONS

SPECIFICATION CV.473

ISSUE 2 DATED 4.11.52

AMENDMENT No.1

Page 1

Dimensions Table

Amend the table to read
as follows:

Dimensions	Min.	Max.
A m.m.	-	38.00
B m.m.	9.3	10.16

T.V.C. Office for
Director,
Royal Aircraft Establishment.

April, 1957

N.87690/R

SPECIFICATION C.V. 473. ISSUE 2 dated 4-11-52

AMENDMENT NO. 2

Page 1

Dimension Table

Re-AMEND the "A" Max. Dimension to read 44.45

(This was amended in error and reverts to the original figures.)

T.V.C.

for Director, Royal Aircraft
Establishment.

July 1957

N88135R

1/11/57