

Specification DCD/CV277/Issue 2 Dated 21.6.46. To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.8.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

→ Indicates a change

<u>TYPE OF VALVE:-</u> High vacuum, high voltage, half wave rectifier.		<u>MARKING</u> See K1001/4.1.	
<u>CATHODE:-</u> Indirectly heated.		<u>BASE</u> I.O.	
<u>ENVELOPE:-</u> Glass-Unmetallised.		Pin	Electrode
<u>PROTOTYPE:-</u> VX.6010.			
<u>RATING</u>	Note	1	No Connection
Heater Voltage (V)	4.0	2	Heater & cathode
Heater Current (A)	1.4	3	No Connection
Max.RMS Anode Voltage (kV)	2.5	4	No Connection
Max. Working Peak Inverse Voltage (kV)	6.3	5	No Connection
Max. No Load Peak Inverse Voltage (kV)	7.0	6	No Connection
Max. D.C. Output Current (mA)	50	7	Heater
Max. Peak Anode Current (mA)	375	8	No Connection
Max. Reservoir Condenser ( $\mu$ F)	2	T.C.	Anode
Min. Limiting Impedance (ohms)	1900	<u>PLUG TOP CAP.</u> See K.1001/A1/D5.2.	
Min. H.T. Switching Delay Period for Full Rating (secs.)	15	<u>DIMENSIONS</u> See K.1001/A1/D1.	
		Dimension	Min.      Max.
		A      (mm)	90      98
		B      (mm)	-      33

NOTE

A:- These ratings apply for a supply frequency of 50 cps. and a peak to mean ratio of 7.5 : 1.

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

Clause	Test Conditions		Test	Limits		No. Tested	Note
	Vh	Va		Min.	Max.		
(a)	4.0V AC or DC	0	Ih (A)	1.26	1.54	100% or S	
(b)	4.0V AC or DC	55V.DC max.	Ia (mA)	150	-	100%	
(c)	4.0V	2.5 kV. RMS at 50 c.p.s. applied thro. external im- pedance of 4,500 ohms including effective transformer impedance. Load resist- ance to give 75 mA with an average valve. Reservoir con- denser=2.0 $\mu$ F.	Load condi- tions to be maintained for 10 secs, then H.T. voltage to be switched off and on 3 times (5 secs. off, 5 secs on).	There shall be no per- sistent sparking blue glow or dis- tortion of of the elec- trodes.	100%		