

MINISTRY OF SUPPLY (DLRD(A)/RAE)

VALVE ELECTRONIC

CV377

Specification in MAP/GV.377 Issue 2, dated 25.4.52 To be read in conjunction with K.1001	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>UNCLASSIFIED</td><td>UNCLASSIFIED</td></tr> </table>	SECURITY		Specification	Valve	UNCLASSIFIED	UNCLASSIFIED
SECURITY							
Specification	Valve						
UNCLASSIFIED	UNCLASSIFIED						

—> Indicates a change

TYPE OF VALVE - Beam Tetrode			<u>MARKING</u>		
CATHODE - Indirectly Heated			See K1001/4		
ENVELOPE - Glass - unmetallised			<u>BASE</u>		
PROTOTYPE - VX6046			I.O		
<u>RATING</u>			<u>CONNECTIONS</u>		
Heater Voltage (V) 26			Pin	Electrode	
Heater Current (A) .40			1	No connection	
Max. Operating Anode Voltage (V) 800 A			2	Heater	
Max. Operating Screen Voltage (V) 300 A			3	No connection	
Max. Anode Dissipation (W) 35.0 A			4	Screen Grid	
Max. Screen Dissipation (W) 5.0 A			5	Control Grid	
			6	No connection	
			7	Heater	
			8	Cathode	
			T.C.	Anode	
			<u>TOP CAP</u>		
			See K1001/A1/D5.2		
			<u>DIMENSIONS</u>		
			Dimension	Min.	Max.
			A mm	-	150
			B mm	-	56

NOTES

A. Absolute maximum values.

B. Mounting Position. Vertical with base down. If run horizontally the major axis of the grids must be vertical.

To be performed in addition to those applicable in K1001

Test Conditions					Test	Limits		No. Tested	Note	
Vh		Va	Vg2	Vg1		Ia	Min.			Max.
a	26	0	0	0	0	Ih (A)	.36	.44	100% or 3	
b	26	150	150	-	200	Vg1 (V)	-6.5	-13.0		
c	26	150	150	-	200	Reverse Igl (μ A)	-	2.0		
d	26	150	150	-	200	Ig2 (mA)	-	19.5	100% or 3	
e	26	150	150	-	200	Ia rise (mA)	60 60	95.0	100% 20 per week	
Vg made positive by 6V										
f	26	150	150	-60	-	Reverse Igl (μ A)	-	4.0	100%	
g	26	150	150	-60	-	Ia (mA)	-	5.0	100% or 3	
h	26	50	150	As in clause 'b'	-	Ig2 (See Note 1) (mA)	-	40	100% or 3	1
J	26	See K1001/5.3. Except that test voltage = 350V				Ih-c (μ A)	-	40	100%	
k	26	100	100	0	-	Ia mA	164	264	100% or 3	

NOTES

1. Test voltages applied only for sufficient time to obtain a steady reading.