

Specification MAP/CV1103/Is	SECURITY							
Dated 16.9.47. To be read in conjunction w	Speci	fication	y v	alve				
K1001.	REST	RICTED	UNCLAS	SIFIED				
Company of the Compan	> Ind	icates	a change	***	<u></u>			
TYPE OF VALVE - Tuning Indi			1-42-05.02-00-00-00-00-0					
<u>CATHODE</u> - Indirectly	MARKING							
ENVELOPE - Glass-unmet	See K1001/4							
PROTOTYPE - Y63								
RATING			BASE					
	Note				I.O.			
Heater Voltage (V) Heater Current (A)	6.3 0.3	A	Pin	Ele	ctrode			
Max. Anode Voltage (V)	250		1 No connection 2 Heater					
Max. Target Voltage (V) Target Current (approx.)	250		3	Anod				
(mA)	4.5	В	4	Targ		ه ا		
Triode Current (approx.)	0.24	c	5 6 7	1	rol gri omitted			
(mA) Triode grid volts for		7 Heater 8 Cathode						
0° shadow angle (approx.)	<b>-</b> 22	С	8	L				
(V)	-22		DIMENSIONS					
NOTES			See K1001/AI/D1.					
		•	Dimension		Min.	Max.		
A. The valve must operate satisfactor- ily over a heater voltage range of			A B	(mm)	101	107 40		
5.7 to 7.5 volts.			Б	(mm)	L	40		
B. At Vg = O.								
C. At Va = 250, through 1 M								

CVIIO3

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No.		
	Vh Va Vt		Vt	٧g		Min.	Max.	Tested	Notes
For tests b, f, g and h the anode voltage is to be appliance of 1100 ±1%.									ough
а	6.3	0	0	0	Ih (A)	0.27	0.33	100% or S	
b		djusted ow is no	180 so that ot quite		The target shall be reasonably free from un- even brightness and from poorly defined and ir- regular shadow edge			100%	1
С	6.3	250	250	<b>-</b> 6	Ia (mA)	4.0	9.3	100%	
đ	6.3	250	250	<b>-</b> 6	Target Current (mA)	0.5	6.5	100%	
е	6.3	250	250	-6	Reverse Ig ( $\mu$ A)	-	1.0	100%	
f	6.3	250	250	<b>-</b> 3	Shadow to be op angle of approx grees	100%	2		
g	6.3	250	<b>25</b> 0	<b>-</b> 16	Shadow shall not be closed			100%	2
h	6.3	250	250	-40	Shadow shall be at outer edge, gap at inner ed not exceed 1 mm	100%	2		

## NOTES

- 1. This test must be carried out before any of the tests in which Va = Vt = 250V.
- 2. Under the conditions specified for tests f, g and h, the target shall be reasonably free from:
  - a. Uneven brightness of illuminated section.
  - b. Bright patches in the shadow section.
  - c. Poorly defined and irregular shadow edge.