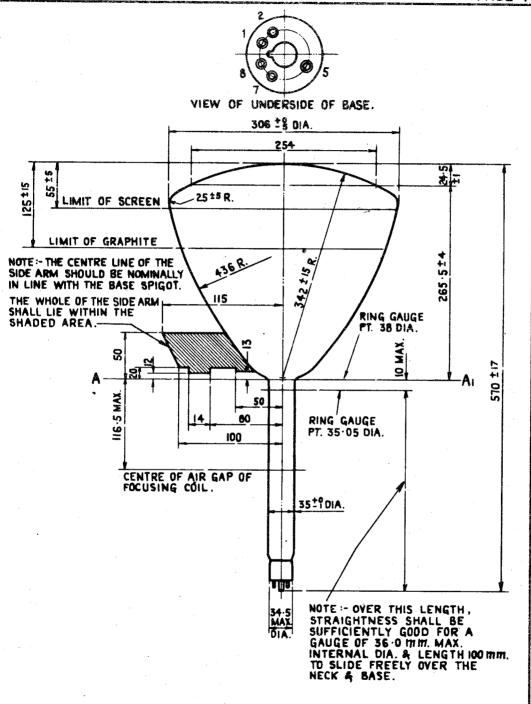
To be read in conjunction with K1003  TESTRICTED  TO be read in conjunction with K1003  TRESTRICTED  RESTRICTED  R	Specification MAP/CV1546/Issue 2 Dated 11.9.46. To be read in conjunction with K1003				MARKING			
TYPE OF DEFLECTION: Magnetic  TYPE OF FOCUS: Magnetic  BULB: Internally coated with conductive coating  SCREEN: BYL 46  Pin Electrode  Pin omitted  Heater Voltage (V) 4.0 4.0 4.0 4.0 4.0 6.0 6.0 Fin omitted  Max. Anode Voltage (kV) 9.0 6.0 6.0 Fin omitted  NOTE  A. The bulb and neck shall be reasonably free from stones, bubbles and cords.  SIDE CONTACT  Plug cap to conform to BSS 448  DIMENSIONS					The second secon		Valve RESTRICTE	
TYPE OF FOCUS: Magnetic  BULB: Internally coated with conductive coating  SCREEN: BYL 46  RATING  RATING  Heater Voltage (V) 4.0 1.0 4 Pin omitted Pin			→ Ind	icates a	change			
BULE: Internally coated with conductive coating I.0.  SCREEN: BYL 46  Pin Electrode  Pin omitted Pin o								
with conductive coating  SCREEN:  BYL 46  Pin Electrode  Pin Heater voltage Heater Voltage (V) 4.0 4.0 4 Pin omitted Pin omitt	TYPE OF FOCUS: Magnetic				See-K1001/4			
RATING  Note  1 No connection  Heater Voltage (V) 4.0 Heater Current (A) 1.0 Max. Anode Voltage (kV) 9.0  NOTE  NOTE  A: The bulb and neck shall be reasonably free from stones, bubbles and cords.  SIDE CONTACT  Plug cap to conform to BSS 448  DIMENSIONS		with conductive coating						
Heater Voltage (V) 4.0 Heater Current (A) 1.0 Max. Anode Voltage (kV) 9.0  A. The bulb and neck shall be reasonably free from stones, bubbles and cords.    Note   2				· [	Pin	Elect	rode	
Heater Current  Max. Anode Voltage  NOTE  A. The bulb and neck shall be reasonably free from stones, bubbles and cords.  SIDE CONTACT  Pin omitted Pin omited Pin omitted Pin omited Pin omitted Pin omitted Pin o	RATING			Note	2	Heater		
A. The bulb and neck shall be reasonably free from stones, bubbles and cords.  SIDE CONTACT  Plug cap to conform to BSS 448  DIMENSIONS	Heater Current	(A)	1.0			Pin omi	tted	
SIDE CONTACT  Plug cap to conform to BSS 448  DIMENSIONS	A. The bulb and neck shall be reasonably free from stones,				7 8 Side Con-	Heater Cathode	-	
BSS 448  DIMENSIONS					And the second s			
Control and the control of the contr								
See drawing on page 4				300		DIMENSIONS	3	
					See d	rawing on	page 4	
		-		-				

CVI546 TESTS Page 2.  To be performed in addition to those applicable in K1003									
	Test Conditions			Test	~~	nits   Max.	No. Tested		
а	See K1003/5.12			Capacitances(P) Grid to all other elec- trodes		10	5% (5)		
	Vh	Va(kV)	Vg						
ъ	4.0	0	0	Ih (A)	0.8	1.2	100%		
0	4.0 4.0 Adjust for cut- off. With the tube positioned in the coil unit (See Note 2) and the focus adjusted for optimum spot size.			Vg (V) Value to be noted	-30	<b>-</b> 65	100%		
d	4.0 4.0 - Vg adjusted to give a light output of 0.12 candles when viewed through a C2 filter, (Type 26, Ref.10AB/474) on a close raster of convenient size.			(1) Vg (V) (2) Change in value of Vg from test (c) (V) (3) Within the range of grid voltage from cut-off to light output, the bean current shall increase contin uously	1	<b>-</b> 25	100%		
	Focus mum.  DEFLEC  wave 1  nom. &  255 mm  tions  line w  ured a  the tr	4.0 adjusted if TION - Withing scan of a line leading leading to the central control of the	th a sine of 50 c/s ength of direc- ely, the be meas- tre of	(1) Focus coil current (mA) (2) Line Width (mm)	83	105	T.A.		

	-	Test Conditions				Limits		No.
ĺ					Test	Min.	Max.	Tested
		Vh	Va(kV)	Vg				
	f	See K10	60 4.0 -6 ecommended Methods: - e K1003/5.4.2. esistor = 10 M $\Omega$		Grid Insulation  1. Leakage Current (uA)  2. Increase in Voltmeter reading	tings	6.5 100%	100%
	g	4.0	4.0	Any conve- nient value	Useful Screen Area Diameter (mm)	255	6900	100%
		Focus adjusted for opti- mum. Deflection to cover stated circle centred on centre of screen.			·			
	h	4.0 No focus gisation	4.0 ssing coil	Near cut-off l ener-	Deviation of spot from centre of screen	<b>4286</b>	15	100%
	j	4.0	4 <b>.</b> O	Any con- venient value	The screen shall not be worse for graininess and uniformity than a standard tube or pattern.			
	k:	Şet 331,	4.0 be done : using a of conveni	close	Afterglow (secs.)	Resulto be		10%

## NOTES

- 1. For the purpose of tests (c), (d), (e), (g), (h) and (k) the focussing fields required are to be obtained by means of rotating gear unit magnetic, Reference No. 10QB/66, with the focussing coil in its mean position.
- 2. The tube will be mounted with the front edge of the coil assembly mounting set 1.5 mm. from axis AA<sup>1</sup>. (See drawing on page 4).



ALL DIMENSIONS IN MILLIMETRES.