MINISTRY OF AIRCRAFT PRODUCTION (D.C.D.)

VALVE ELECTRONIC **CV1504**

(VU504)

Specification MAP/CV1504/Issue 5 Dated 30.1.46. To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.8.	SECURITY Specification: RESTRICTED Valve: RESTRICTED

→ Indicates a change

TYPE OF VALVE:- Half Wave Rectifier
CATHODE:- Directly heated.
ENVELOPE:- Glass, unmetallised.
PROTOTYPE:- V1901.

MARKING

See K1001/4 →

RATING		Note
Filament Voltage (V)	16.5	
Filament Current (A)	15.25	
Max. Anode Dissipation (W)	400	
Max. Peak Inverse Voltage (kV)	63	
Max. Peak Current (A)	1.2	
Max. D.C. Output Current (mA)	200	

BASE

Medium Edison Screw Cap. E27/25 to conform to B.S.S. No.98.

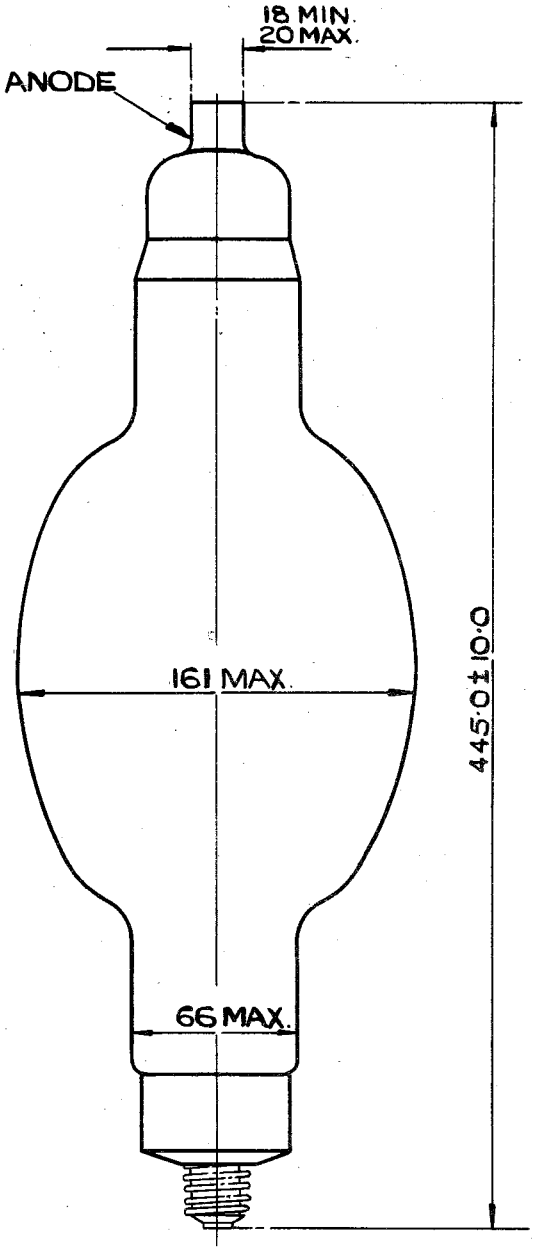
DIMENSIONS

See drawing on page 3.

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vf	Va(kV)	Ia(mA)		Min.	Max.	
a	16.5	0	-	If (A)	14.5	15.5	100%
b	16.5	1.4 D.C.	-	Ia (A)	1.2	-	100%
c	Adjusted to maintain steady Ia	10.0 D.C.	40	DISSIPATION TEST Valve to be run for 15 mins. Vf variation (V) during last 5 mins. There shall be no blue glow or distortion of electrodes.	-	±0.1	100%
d	16.5	The valve shall be tested up to a peak inverse voltage of 80kV. with 25mA. load current. The conditions shall be maintained for a 2 minutes during which time no discharge shall take place.					100%

CV1504



ALL DIMENSIONS IN MILLIMETRES.