MINISTRY OF SUPPLY (S.R.D.E.)

VALVE ELECTRONIC **CV19**

Specification No. MOS/CV19/6 Dated : 25.9.45. To be read in conjunction with K1001.	SECURITY Specification Restricted Valve Restricted

→ Indicates a change.

TYPE OF VALVE : Half-wave rectifier CATHODE : Directly heated ENVELOPE : Glass COMMERCIAL PROTOTYPE : M.O.V. EHT.1.	MARKING As in K1001/4 ←

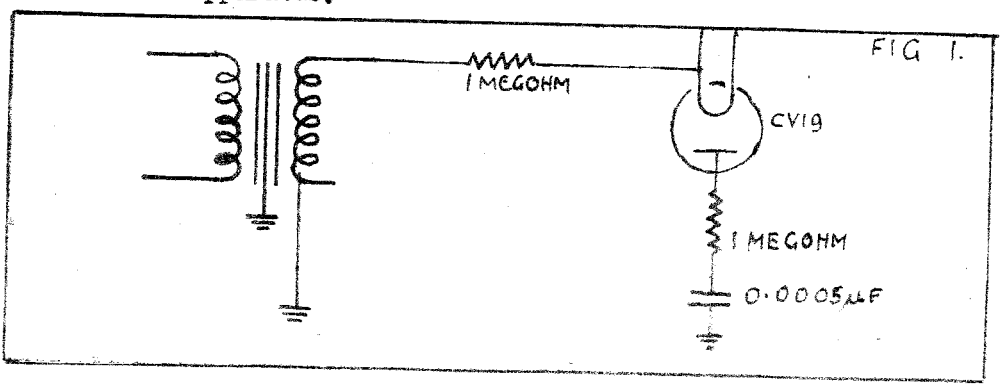
RATING		Note	
Filament volts	17.0		BASE See drawing for base and connections
Filament current (A)	10.0		
Max. Peak Inverse Voltage (kV)	63		DIMENSIONS See drawing

TESTS

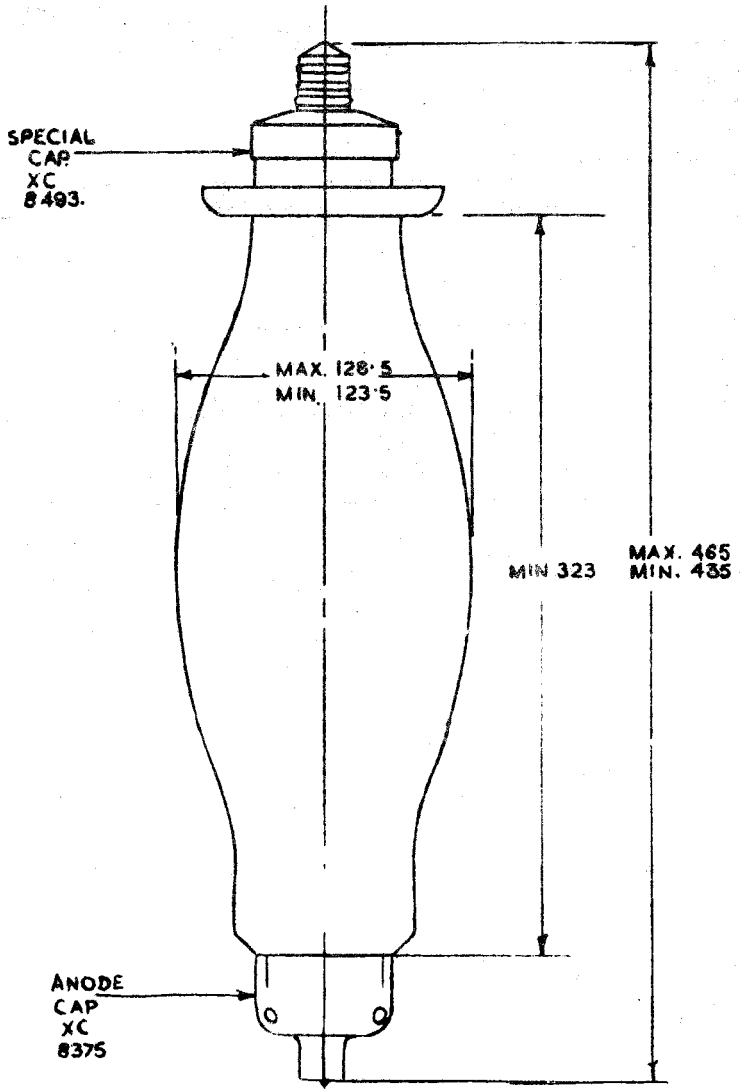
To be performed in addition to those applicable in K1001

	Test Conditions			Test	Limits		No. Tested
	Vf	Va	Ia(mA)		Min.	Max.	
a	17.0	-	-	If (A)	9.5	10.5	100%
b	17.0	2000 max.	-	Peak Ia (mA), see Note 1.	800	-	5%
c	Vary	2000	100	Dissipation Ia adjusted to 100mA by filament control and maintained for 10 min. Vf to obtain a steady value.	-	-	5%
d	17.0	Valve to be tested in circuit of Fig.1. Volts to be raised gradually to a peak inverse voltage of 80kV across valve. This voltage to be maintained for 2 mins. during which time there must be no internal discharge in valve. (Small discharges are permitted while volts are being raised).					100%

Note 1. Tests to be carried out in an approved Emission Testing apparatus.



OUTLINE DIMENSIONS.



ALL DIMENSIONS ARE IN MILLIMETRES.