

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

Specification: MOS/CV177/Issue 6	<u>SECURITY</u>	
Dated:- 17.8.48.	<u>Specification</u>	<u>Valve</u>
To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.8 and 7.2.	Secret	Unclassified

Unclassified

→ indicates a change

<u>TYPE OF VALVE:-</u> Triode - Class B modulator.				<u>MARKING</u>			
<u>CATHODE:-</u> Directly heated				See K1001/4			
<u>ENVELOPE:-</u> Glass - unmetallised							
<u>PROTOTYPE:-</u> M 125 H							
<u>RATING</u>			Notes	<u>BASE</u> Giant 7-pin bayonet			
				<u>Electrode</u>			
Filament voltage	(V)	10.0		Pin	1 Filament		
Filament current	(A)	5.0		2	No connection		
				3	No connection		
Max. anode voltage	(V)	2000		4	Control grid		
				5	No connection		
				6	No connection		
				7	Filament		
				T.C	Anode		
				<u>DIMENSIONS</u>			
				See K1001/AI/D1			
				Dimension.		Min	Max
				A	mm	178	246
			B	mm	-	66	

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
	Vd(AC)	Va	Vg	Ia(mA)				
a	10.0	-	-	-	If (A)	4.7	5.3	100% or S
b	10.0	2000	-8	-	Ia (mA)	-	3.0	100%
c	10.0	2000	0	-	Ia (mA)	10.0	20.0	100%
d	10.0	2000	-8	-	Rev. Ig (μ A)	-	5.0	100%
e	10.0	100	100	-	Ia (A)	0.3	-	100%
f	10.0	100	100	-	Ig (A)	-	0.25	100%
(i)	10.0	500	Vary	250	Rev. Ia (μ A)	-	5.0	100%
g (ii)	10.0	-50	As in "g(i)"	-	Note 1			
h	10.0	750 Strapped	750	-	Ie (A)	1.5	-	100%

NOTES

- Run under conditions as given in 'g'(i) for 5 minutes. Switch to 'g'(ii) conditions and read initial maximum severe anode current.