

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

Specification: MOS/CV176/Issue 4		<u>SECURITY</u>	
Dated:-	17.8.48.	<u>Specification</u>	<u>Valve</u>
To be read in conjunction with K1001.		Classified	Unclassified

Unclass

→ indicates a change

<u>TYPE OF VALVE:-</u> Triode				<u>MARKING</u>			
<u>CATHODE:-</u> Directly heated				See K1001/4			
<u>ENVELOPE:-</u> Glass - unmetallised							
<u>PROTOTYPE:-</u> XP 1.5							
<u>RATING</u>			Note	<u>BASE</u> Hivac 4-pin 6B			
				<u>Pin</u>	<u>Electrode</u>		
Filament voltage	(V)	1.5	A	1	Filament		
Filament current	(mA)	75		2	Filament		
Max. anode voltage	(V)	100		3	Anode		
Anode current	(mA)	4.5		4	Grid		
Mutual conductance	(mA/V)	0.7					
				<u>DIMENSIONS</u> See K1001/AI/D1			
<u>NOTE</u>				<u>Dimension</u>		<u>Min</u>	<u>Max</u>
A. Measured at $V_a = 50$, $V_g = 0$.				A		mm	68
				B		mm	16

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions			Test	Limits		No. Tested
					Min.	Max.	
	Vf	Va	Vg				
a	1.5	-	-	If (mA)	72	88	100% or S
b	1.5	50	-	Ia (mA)	3.5	6.0	100%
c	1.5	50	0 to -1	gm (mA/V)	0.5	1.0	100%
d	1.5	50	-1	Rev. Ig (μ A)	-	1.0	100%