

Specification: MOS/CV175/Issue 4. Dated:- 17.8.48. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

→ indicates a change

<u>TYPE OF VALVE</u> :- Screened grid <u>CATHODE</u> :- Directly heated <u>ENVELOPE</u> :- Glass - unmetallised <u>PROTOTYPE</u> :- XSG 1.5			<u>MARKING</u> See K1001/4			
<u>RATING</u>		Note	<u>BASE</u> Hivac 4-pin, 6B.			
			Pin	Electrode		
Filament voltage (V)	1.5		1	Filament		
Filament current (mA)	75		2	Filament		
Max. anode voltage (V)	100		3	Screen grid		
Max. screen voltage (V)	50		4	Control grid		
Anode current (mA)	0.55		T.C	Anode		
Mutual conductance (mA/V)	0.45					
<u>NOTES</u>			<u>DIMENSIONS</u>			
A. Measured at $V_a = 50$ $V_{g2} = 30$ $V_{g1} = 0$			See K1001/AI/D1			
			Dimension	Min	Max	
			A	mm	-	75
	B	mm	-	16		

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested
	Vf	Va	Vg2	Vg1		Min.	Max.	
a	1.5	-	-	-	I _f (mA)	72	88	100%
b	1.5	50	30	0	I _a (mA)	0.5	1.1	100%
c	1.5	50	30	0	I _{g2} (mA)	-	0.25	100%
d	1.5	50	30	0 to -1	g _m (mA/V)	0.3	0.6	100%
e	1.5	50	30	0	Rev. I _{g1} (μA)	-	1.0	100%