

MINISTER OF SUPPLY (D.L.R.D.(A)/R.A.E.)

Specification MOSA/CV.2277 Issue 2 Dated 28.4.55 To be read in conjunction with BS.448 BS.1409 & K1001	<u>SECURITY</u>	
	<u>Specification</u> UNCLASSIFIED	<u>Valve</u> UNCLASSIFIED

—————> Indicates a change

TYPE OF VALVE - Low Impedance Pentode				<u>MARKING</u>	
CATHODE - Indirectly Heated				See K1001/4	
ENVELOPE - Glass, unmetallised				<u>BASE</u>	
PROTOTYPE - VX.3188, E.2221				B.S.448/B9A	
<u>RATINGS</u>				<u>CONNECTIONS</u>	
				Pin	Electrode
				1	IC
				2	g ¹
				3	k
				4	h
				5	h
				6	IC
				7	a
				8	g ²
				9	g ³
				<u>DIMENSIONS</u>	
				See B.S.448/B9A/2.1 Size Ref. No.4	
				Dimensions (mm)	Min. Max.
				A.Seated height	- 71.5
				C.Diameter	19.0 22.2
				D.Overall length	- 78.5
				<u>MOUNTING POSITION</u>	
				ANY	
<u>NOTES</u>					
A. Absolute Value.					
B. Measured at V _a = 26.5; V _{g2} = 26.5; I _a = 14 mA.					
C. Measured without metal screen.					

To be performed in addition to those applicable in K.1001

Test Conditions							Tests	Limits		No. Tested	Note
								Min.	Max.		
a	Links to H.P.	Links to L.P.	Links to E	<u>CAPACITANCES</u> (PF)							
	2	1,3,4,5, 6,8,9	7,10	Cin				9.0	15.0	6	
	7	1,3,4,5, 6,8,9	2,10	Cout				6.5	13.0	per	
	7	2	1,3,4,5,6, 8,9,10	Ca, g1				0.27	0.81	week	
b	Vh	Va	Vg2	Vg3	Vg1	Ia	Ih (A)	.207	.253	100% or S	
	26.5	0	0	0	0	0					
c	26.5	26.5	26.5	0	Adjust	14mA	Vg1 (V)	-2.5	-4.5	100%	
d	26.5	26.5	26.5	0	Adjust	14mA	Ig2 (mA)	-	2.5	100%	
e	26.5	26.5	26.5	0	Adjust	14mA	Ig1 (μA)	-	1.0	100%	
f	26.5	26.5	26.5	0	Adjust	14mA	gm (mA/V)	3.7	5.9	100%	
Peak grid swing $\pm .5$ volt											
g	26.5	26.5	26.5	0	-20	-	Ia (μA)	-	100	100%	
h	26.5	15	15	15	15	-	Ik (mA)	130	-	100%	