

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	g1	
			3	k	
			4	h	
			5	h	
			6	IC	
			7	a	
			8	g2	
			9	g3	
			<u>DIMENSIONS</u>		
			See B.S.448/B9A/2.1 Size Ref. No.4		
<u>CAPACITANCES (pF)</u>					
Cin (Nom)			12.0	C	
Cout (Nom)			9.6	C	
Ca, g1 (Nom)			0.54	C	
			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 Va = 26.5; Vg2 = 26.5; Ia = 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)			6 per week	
	2	1,3,4,5, 6,8,9			7,10		Cin	9.0	15.0		
	7	1,3,4,5, 6,8,9			2,10		Cout	6.5	13.0		
	7	2			1,3,4,5,6, 8,9,10		Ca,g1	0.27	0.81		
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 ±.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%	

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