

Specification MOSA/CV2105	<u>SECURITY</u>
Issue 2 Dated 1.10.57.	<u>Specification</u> <u>Valve</u>
To be read in conjunction with K1001, BS448 and BS1409.	UNCLASSIFIED UNCLASSIFIED

—————→ Indicates a change

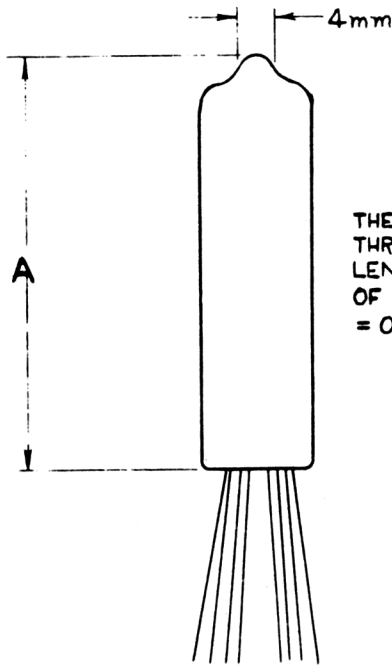
TYPE OF VALVE - Sub Min. R.F. Output Pentode			<u>MARKING</u> CV number, T.A. letters, Factory and date code, only required.		
CATHODE - Directly Heated					
ENVELOPE - Glass			<u>BASIS</u> BS448/BS8D/F.		
PROTOTYPE - VX.8065					
<u>RATING</u> (All limiting values are absolute)			<u>CONNECTIONS</u> (Note B)		
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To be performed in addition to those applicable in K.1001.

Test Conditions					Test	Limits		No. Tested	Note	
						Min.	Max.			
→ → →	a	Links to H.P.	Links to L.P.	Links to E	CAPACITANCE (pF)					
		2	1,3,4,5,6,8, Shield	7	C in	2.5	3.5	6		
		7	1,3,4,5,6,8, Shield	2	C out	4.8	6.4	per	1	
		2	7	1,3,4,5,6,8, Shield	Ca,g1	-	0.1	week		
→	b	Vr	Va (V)	Vg2 (V)	Vg1 (V)	If (mA)	100	120	100% or S	
		1.25	0	0	0					
	c	1.25	135	90	-7.5	Ia (mA)	5.3	9.7	100%	
	d	1.25	135	90	-7.5	Ig2 (mA)	1.0	2.0	100%	
	e	1.25	135	90	-7.5	Reverse g1 current (μA)	-	0.5	100%	2
	f	1.25	135	90	-7.5	gm (mA/V)	1.4	2.4	100%	
	g	1.0	135	90	-7.5	gm (mA/V)	1.0	-	100%	
	h	1.25	135	90	-23	Ia tail (μA)		600	100%	2

NOTES

1. Measured with a close fitting metal screen.
2. 0.1 Megohm protective resistance in series.



BULB STRAIGHTNESS TEST
 THE FINISHED VALVE MUST PASS
 THROUGH A CYLINDRICAL GAUGE OF
 LENGTH AT LEAST EQUAL TO THAT
 OF THE BULB. I.D. OF CYLINDER
 = 0.4 INCH.

THE LEADS SHALL BE FLEXIBLE 25-27 SWG.
 TINNED WIRE AT LEAST 38 mm. IN LENGTH.

