

Specification MOS/CV1325/Issue 3.

Dated 7.1.46.

To be read in conjunction with K1001.

SECURITYSpecification
RestrictedValve
Restricted

→ indicates a change

<u>TYPE OF VALVE:-</u> H.F. Pentode			<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated			See K1001/4		
<u>ENVELOPE:-</u> Non-metallised					
<u>PROTOTYPE:-</u> 42 MPT					
<u>RATING</u>		Notes	<u>BASE</u>		
			B7		
Heater voltage	(V)	4.0	Pin	Electrode	
Heater current	(A)	2.0	1	No connection	
Max. Anode voltage	(V)	250	2	Control grid	
Max. Screen voltage	(V)	250	3	Suppressor grid	
Mutual Conductance	(mA/V)	8.5	4	Heater	
<u>CAPACITANCES (pF)</u>		A	5	Heater	
C _{ag}	(max.)		6	Cathode	
C _{ae}			7	Screen grid	
C _{ge}			T.C.	Anode	
			<u>TOP CAP</u>		
			See K1001/AI/D5.1.		
			<u>DIMENSIONS</u>		
			See K1001/AI/D1.		
			Dimension	Min.	Max.
			A mm	139	146
			B mm	-	57.6
			L mm	123	130

A. Measured at $V_a = 250$, $V_{g2} = 200$,
 $V_{g1} = -3$.

This valve type is obsolete and
this specification is for record
purposes only.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits		No. Tested						
							Min.	Max.							
a	See K1001/AIII					<u>CAPACITANCES</u> (pF)			6						
	Links to H.P.	Links to L.P.	Links to E	Cag	-					1.0	per				
	TC1	2	1,3,4,5, 6,7,8,9, 10,TC2.												
	TC1	3,4,5, 6,7.	1,2,8,9, 10,TC2.									Cae	3.5	7.5	week
	2	3,4,5,6, 7.	1,8,9, 10,TC1, TC2.									Cge	14.0	18.0	
b	Vh	Va	Vg2	Vg1	Vg3	Ih (A)	1.8	2.2	100% or S						
	4.0	-		-											
c	4.0	250	200	-3	0	Ia (mA)	23	45	100%						
d	4.0	250	200	-3	0	Ig2 (mA)	4	8	100%						
e	4.0	250	200	-2.5 to -3.5	0	gm (mA/V)	6.8	10.2	100%						
f	4.0	250	200	-3	0	Rev. Ig (μA)	-	1.0	100%						