

MINISTRY OF SUPPLY (S.R.D.E.) G.P.O.

Specification MOS/CV1343/Issue 7 Dated 6.5.49. To be read in conjunction with K1001	<u>SECURITY</u> <u>Specification</u> <u>Valve</u> Restricted Restricted
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—→ 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> Metallised						
<u>PROTOTYPE:-</u> KTZ 73 (mod)						
<u>RATING</u>				<u>BASE</u>		
				IO 7-pin		
			Note	Pin	Electrode	
Heater voltage	(V)	4.0	A A A	1	Metallising	
Heater current	(A)	0.25		2	Heater	
A.C. anode voltage	(V)	250		3	Anode	
Max. screen voltage	(V)	100		4	Screen grid	
Mutual conductance	(mA/V)	2.2		5	Suppressor grid	
Anode current	(mA)	5.0		6	Pin omitted	
Screen current	(mA)	0.9		7	Heater	
					8	Cathode
<u>CAPACITANCES (pF)</u>				T.C.	Control grid	
(max)				<u>TOP CAP</u>		
C _{ag}		0.015		See K1001/AI/D5.2		
C _{ae}		12.0		<u>DIMENSIONS</u>		
C _{ge}		7.0		See K1001/AI/D1		
<u>NOTE</u>				Dimension	Min.	Max.
A. Measured at V _a = V _{g2} = 100, V _{g1} = -1.5				B mm	-	36
				L mm	-	92

TESTS

To be performed in addition to those applicable in K1001

	Test conditions					Test	Limits		No. tested
							Min.	Max.	
a	See K1001/AIII					Capacitances (pF)			
	Links to H.P.	Links to L.P.	Links to E.			(i) Cag	-	0.015	T.A.
	3	TC1	1,2,4,5,6,7,8,9,10, TC2						
	3	1,2,4,5,7,8	6,9,10,TC1, TC2			(ii) Cae	-	12.0	
	TC1	1,2,4,5,7,8	3,6,9,10, TC2			(iii) Cge	-	7.0	
b	Vh	Va	Vg2	Vg1	Ia(mA)	Ih (A)	0.225	0.275	
	4.0	-	-	-	-				
c	4.0	100	100	-1.5	-	Ia (mA)	3.5	6.5	100%
d	4.0	100	100	-1.5	-	Ig2 (mA)	-	1.5	100% or S
e	4.0	100	100	-1 to -2	-	gm (mA/V)	1.65	2.75	100%
f	4.0	100	100	-1.5	-	Rev Ig (uA)	-	1.0	100%
g	4.0	100	100	Read	0.1	Vg1 (V)	-	-8	10% (50)

ELECTRONIC VALVE SPECIFICATIONS

GV1343 Issue 7 dated 6-5-49

Amendment No.1

Page 1.

Delete MINISTRY OF SUPPLY (S.R.D.E.)

Insert G.P.O.

October, 1961 G.P.O., E-in-C.

N.4644

8.2.1962
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