

Specification DCD/CV1065/Issue 7 Dated 30.7.46. To be read in conjunction with K1001.	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>Unclassified</td><td>Unclassified</td></tr> </table>	SECURITY		Specification	Valve	Unclassified	Unclassified
SECURITY							
Specification	Valve						
Unclassified	Unclassified						

→ Indicates a change

<u>TYPE OF VALVE</u> - H.F. Pentode. <u>CATHODE</u> - Indirectly Heated. <u>ENVELOPE</u> - Glass - Metallised. <u>PROTOTYPE</u> - SP41 (Mod.)	<u>MARKING</u> See K1001/4
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<u>RATING</u>		Note	<u>BASE</u>		
			Mazda Octal		
Heater Volts (V)	6.3	A	Pin	Electrode	
Heater Current (A)	0.63		1	Heater	
Max. Anode Volts (V)	250		2	Cathode	
Max. Screen Volts (V)	250		3	Anode	
Max. Anode Dissipation (W)	3.0		4	Screen grid	
Max. Screen Dissipation (W)	1.25		5	Suppressor grid	
Mutual Conductance (mA/V)	8.5		6	Metallising	
Max. Operating Frequency (Mc/s)	100		7	Pin omitted	
			8	Heater	
			TC	Control grid	
<u>CAPACITANCES (pF)</u>				<u>TOP CAP</u>	
C _{ae}	5.5		See K1001/AI/D5.1		
C _{ge}	11.0		<u>DIMENSIONS</u>		
C _{ag} (max.)	0.006		See K1001/AI/D1.		
			Dimension	Min.	Max.
			A (mm)	-	98
			B (mm)	-	37

NOTE

A. $V_a = V_{g2} = 200 \text{ V.}$, $V_g = -1.85 \text{ V.}$, $I_a = 8 \text{ mA.}$

To be performed in addition to those applicable in K1001.

	Test Conditions						Test	Limits		No. Tested
								Min.	Max.	
a	See K1001/AIII Measurements to be made in adaptor type 38.						CAPACITANCES (pF)			6 per week Type Ap- proval
	Links to H.P.	Links to L.P.		Links to E.						
	3	1,2,4,5,6,8.		7,9,10, TC1, TC2.		C _{ae}	4.7	6.2		
	TC1	1,2,4,5,6,8.		3,7,9,10, TC2.		C _{ge}	10.0	12.0		
	3	TC1		1,2,4,5, 6,7,8,9, 10, TC2.		C _{ag}	-	0.006		
b	V _h	V _a	V _{g2}	V _{g3}	V _{g1}	I _a (mA)	I _h (A)	0.57	0.70	100% or S
	6.3	0	0	0	0	-				
c	6.3	200	200	0	-	8	V _{g1} (V)	-1.38	-2.33	100%
d	6.3	200	200	0	-	8	I _{g2} (mA)	1.5	2.5	100% or S
e	6.3	200	200	0	-	8	Reverse I _{g1} (μA)	-	0.5	100%
f	6.3	200	200	0	1 V. positive to value found in test 'c'	-	I _a (mA)	14.6	-	100%
g	6.3	200	200	0	-7	-	I _a (mA)	-	0.1	100%



