

Specification MCSA/CV118 Issue 4 Dated 27.11.1953 To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> UNCLASSIFIED	<u>Valve</u> UNCLASSIFIED

—————→ Indicates a change

TYPE OF VALVE - H.F. Pentode CATHODE - Indirectly Heated ENVELOPE - Glass, metallised PROTOTYPE -			<u>MARKING</u>		
			See K.1001/4		
<u>RATING</u>			<u>BASE</u>		
			Mazda Octal		
Heater Voltage (V) 6.3 Heater Current (A) 0.63 Max. Anode Voltage (V) 250 Max. Screen Voltage (V) 250 Max. Anode Dissipation (W) 4.5 Max. Screen Dissipation (W) 1.25 Mutual Conductance (mA/V) 8.5 Max. Operating Frequency (Mc/s) 100		Note B	<u>CONNECTIONS</u>		
			Pin	Electrode	
<u>CAPACITANCES (pf)</u> C _{ae} 5.5 C _{ge} 11 C _{ag} (max.) 0.006			<u>TOP CAP</u>		
			See K.1001/A1/D5.1		
			<u>DIMENSIONS</u>		
			See K.1001/A1/D1.		
			Dimension	Min.	Max.
			A m.m.	-	98
			B m.m.	-	37
<u>NOTES</u>					
A. The valve shall be suitable for positive grid working.					
B. At V _a = V _{g2} = 200, V _{g1} = -1.85, I _a = 8 mA.					

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits		No. Tested	Note
							Min.	Max.		
a	See K1001/A III Measurements to be made in adaptor type 38.					<u>CAPACITANCES</u> (pF)				
	Links to HP	Links to IP	Links to E.							
	3	1,2,4 5,6,8	7,9,10 TC1,TC2							
	TC1	1,2,4 5,6,8	3,7,9,10 TC2							
					Cag	-	0.006		T/A	
b	Vh	Va	Vg2	Vg1	Ia (mA)	Ih (A)	0.57	0.7	100% or S	1
	6.3	0	0	0						
c	6.3	200	200	-	8	Vg1 (V)	-1.38	-2.33	100%	1
d	6.3	200	200	-	8	Ig2 (mA)	1.5	2.5	100% or S	1
e	6.3	200	200	-	8	Reverse Ig1 (μA)	-	0.5	100%	1
f	6.3	200	200	1V(+)ve to value found in (c)		Ia (mA)	14.6	-	100%	1
g	6.3	200	200	-7	-	Ia (mA)	-	0.1	100%	1

NOTE

- Vg₃ = 0 throughout tests.