

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

Specification MOS/CV1335/5 Dated : 7.8.45. To be read in conjunction with K1001.	<u>SECURITY</u> Specification Valve Restricted Restricted
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→ Indicates a change.

TYPE OF VALVE : H.F. Pentode CATHODE : Indirectly heated ENVELOPE : Metallised COMMERCIAL PROTOTYPE : Mazda. SP41	<u>MARKING</u> In addition to that in K1001/4 none.
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<u>RATING</u>		Note	<u>BASE</u> MO7	
			Pin	Electrode
Heater voltage	4.0	A	1	Heater
Heater current (A)	0.95		2	Cathode
Max. Anode volts	250		3	Anode
Max. Screen voltage	250		4	Screen Grid
Max. Anode Dissipation (W)	4.5		5	Suppressor Grid
Max. Screen Dissipation (W)	1.25		6	Metallising
Mutual Conductance (mA/V)	8.5		7	Pin omitted
Max. Operating Frequency (Mc/s)	60		8	Heater
<u>CAPACITANCES</u> (pF)			T.G.	Control Grid
C _{as}	5.5		<u>TOP CAP</u>	
C _{gs}	11.0		See K1001/A1/D5.1	
C _{ag} (max)	0.033		<u>DIMENSIONS</u>	
			See K1001/A1/D1	

<u>NOTES</u> : A. measured at V _a = 200 V _{g2} = 200 I _a = 8mA	<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
	A mm	-	95
	B mm	-	32
	-L mm	-	82

CV1335/5/i.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions						Tests	Limits		No. Tested			
								Min.	Max.				
a	See K1001/AIII						Capacitances (pF)			6 per week			
	Links to HP	Links to LP	Links to E.								Cas	4.7	6.9
	3	1,2,4,5, 6,8.	7,9,10, TC1,TC2								Cge	10.0	14.0
	TC1	1,2,4,5, 6,8	3,7,9,10 TC2								Cag	-	0.033
	3	TC1	1,2,4,5, 6,7,8,9, 10,TC2							Type Appro- val			
b	Vh	Va	Vg2	Vg3	Vg1	Ia	Ih (A)	0.90	1.0	100% or S			
c	4.0	0	0	0	0	-	Vg1 (V)	-1.2	-2.79	100%			
d	4.0	200	200	0	-	8.0	Ig2 (mA)	-	2.5	100% or S			
e	4.0	200	200	0	-	8.0	Reverse Ig (μ A)	-	0.5	100%			
f	4.0	200	200	0	1V. positive to value in test c	-	Ia (mA)	14.5	-	100%			