

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

Specification MOS/CV1313/Issue 5 Dated 6.3.46. To be read in conjunction with K1001	<u>SECURITY</u> <table style="width: 100%; border: none;"> <tr> <td style="border: none; text-align: center;"><u>Specification</u></td> <td style="border: none; text-align: center;"><u>Valve</u></td> </tr> <tr> <td style="border: none; text-align: center;">Restricted</td> <td style="border: none; text-align: center;">Restricted</td> </tr> </table>	<u>Specification</u>	<u>Valve</u>	Restricted	Restricted
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Restricted	Restricted				

→ indicates a change

<u>TYPE OF VALVE:-</u> Triode <u>CATHODE:-</u> Indirectly heated <u>ENVELOPE:-</u> Metallised <u>PROTOTYPE:-</u> 220 L.F.	<u>MARKING</u> See K1001/4																																	
<u>RATING</u>	Note	<u>BASE</u> B5																																
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<u>CAPACITANCES (pF)</u> Cag 1.8 Cae 4.0 Cge 3.4			<u>DIMENSIONS</u> See K1001/AT/D1																															
<u>NOTES</u> A. Measured at $V_a = 100V, V_g = 0V$			<table style="width: 100%; border: none;"> <tr> <td style="border: none; text-align: center;">Dimension</td> <td style="border: none; text-align: center;">Min.</td> <td style="border: none; text-align: center;">Max.</td> </tr> <tr> <td style="border: none; text-align: center;">A mm</td> <td style="border: none; text-align: center;">90</td> <td style="border: none; text-align: center;">97</td> </tr> <tr> <td style="border: none; text-align: center;">B mm</td> <td style="border: none; text-align: center;">-</td> <td style="border: none; text-align: center;">31</td> </tr> <tr> <td style="border: none; text-align: center;">L mm</td> <td style="border: none; text-align: center;">75</td> <td style="border: none; text-align: center;">81</td> </tr> </table>	Dimension	Min.	Max.	A mm	90	97	B mm	-	31	L mm	75	81																			
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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>			
	Links to H.P.	Links to L.P.	Links to E.	(pF)			
	1	2	3,4,5,6,7,8,9,10,TC,TC2.	(i) Cag	1.4	2.2	6 per week
	1	3,4,5	2,6,7,8,9,10,TC1,TC2	(ii) Cae	3.0	5.0	
2	3,4,5	1,6,7,8,9,10,TG,TC2	(iii) Cge	2.7	4.1		
b	Vh	Va	Vgl	Ih (A)	0.19	0.23	100% or S
	2.0	-	-				
c	2.0	100	0	Ia (mA)	5.0	10.0	100%
d	2.0	100	0 to - 1	gm (mA/V)	1.4	2.0	100%
e	2.0	100	-1	Rev. Ig. (uA)	-	1.0	100%
f	Heater-cathode insulation. K1001/5.3 shall apply except that applied voltage shall be not less than 30 volts.						