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

VALVE ELECTRONIC

CV 1300

(ARDD 1)

Specification No. MOS/CV1300/4 Dated 25.9.45. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted

→ Indicates a change ←

<u>TYPE OF VALVE</u> : Double diode <u>CATHODE</u> : Indirectly heated <u>ENVELOPE</u> : Glass - unmetallised <u>COMMERCIAL PROTOTYPE</u> : 10D1 ST & C.	<u>MARKING</u> As in K1001/4
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<u>RATING</u>	Note	<u>BASE</u> B5
Heater voltage	13.0	Pin
Heater current (A)	0.2	Electrode
Input volts RMS (max)	50	1 Diode 2
Rectified current (max)(mA)	1.0	2 Diode 1
		3 Heater
		4 Heater
		5 Cathode

<u>DIMENSIONS</u> See K1001/AI/D1		
Dimension	Min.	Max.
A mm	102	108
B mm	-	40
L mm	87	92

CV 1300

TESTS

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To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested
				Min.	Max.	
a	Vh	Va	Ih (A)	0.18	0.22	100%
	13.0	0				
b	13.0	0	Ia (μ A)	50	-	100%
c	13.0	2.0	Ia (μ A)	500	-	100%
d	13.0	10.0	Ia (mA)	5	-	100%
e	13.0	0	Rise in Ia (μ A) (See Note 1)	8.0	-	100%
f	13.0	Va 1=10 Va 2= 0	Current flowing between anodes (μ A)	-	0.5	100%

NOTES

1. Ia is measured through a load resistance of 21,000 ohms. An A.C. voltage of 0.5V R.M.S. is then applied between the anode and cathode, and change in Ia measured.
2. Tests b, c, d and e to be applied to both diodes.