

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

→ Indicates a change

<u>TYPE OF VALVE</u> : Double diode			<u>MARKING</u>		
<u>CATHODE</u> : Indirectly heated			As in K1001/4		
<u>ENVELOPE</u> : Glass - unmetallised					
<u>COMMERCIAL PROTOTYPE</u> : 10D1 ST & C.					
<u>RATING</u>		Note	<u>BASE</u>		
			B5		
Heater voltage	13.0		Pin	Electrode	
Heater current (A)	0.2		1	Diode 2	
Input volts RMS (max)	50		2	Diode 1	
Rectified current (max)(mA)	1.0	3	Heater		
		4	Heater		
		5	Cathode		
			<u>DIMENSIONS</u>		
			See K1001/A1/D1		
			Dimension	Min.	Max.
			A mm	102	108
			B mm	-	40
			L mm	87	92

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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)			100%
	13.0	0		0.18	0.22	
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.