

Specification MOSA/CV2218 Issue 4 Dated 21.1.54 To be read in conjunction with K.1001	<u>SECURITY</u>	
	<u>Specification</u> UNCLASSIFIED	<u>Valve</u> UNCLASSIFIED

—————> Indicates a change

TYPE OF VALVE - Half Wave Rectifier CATHODE - Indirectly Heated ENVELOPE - Glass, unmetallized PROTOTYPE - VX.7074		<u>MARKING</u> See K.1001/4.	
		<u>BASE</u> B9A.	
<u>RATING</u>		<u>CONNECTIONS</u>	
	Note	Pin	Electrode
Heater Voltage (V)	6.3	1	Internally connected
Heater Current (A)	0.8	2	Internally connected
Absolute Max. Peak Inverse Voltage (V)	1450	3	Cathode
Max. Heater Cathode Potential (V)	700	4	Heater
Max. Peak Anode Current (mA)	750	5	Heater
		6	Internally connected
		7	Internally connected
		8	Internally connected
		9	Internally connected
		T.C.	Anode
<u>Condenser Input Filter</u>		<u>TOP GAP</u> See K.1001/A1/D5.2.	
Max. R.M.S. Voltage (V)	350 500		
Min. Supply Impedance (ohms)	50 50		
Max. Direct Current Output (mA)	125 75		
Max. Reservoir Condenser (μF)	32 32		
		<u>DIMENSIONS</u> See K.1001/A1/D4.	
	Dimension	Min.	Max.
	A mm	-	71.43
	B mm	-	22.22
	L mm	-	65.08

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TESTS

To be performed in addition to those applicable in K1001

Test Conditions				Test	Limits		No. Tested	Note
					Min.	Max.		
a	Vh 6.3	Va 0	Ia(mA) 0	Ih (A)	0.72	0.88	100% or 3	
b	6.3	550 R.M.S.	-	Output Current (mA)	76	-	100%	1,3,5
c	6.3	400 R.M.S.	-	Output Current (mA)	130	-	100%	2,3,5
d	6.3	Adjust	250	Va. (D.C.) (V)	24	40	100%	3
e	6.3	See K.1001/5.3. Except that the test voltage = 330		Ih-C (μ A)	-	250	100%	1,3,4

NOTES

1. Measured in a half wave circuit with the total supply impedance (including transformer) initially adjusted so that a valve giving 150mA. for a voltage drop of 20.0 will give an output of 80 mA. with a load resistor of 8,000 ohms and a reservoir condenser of 32 μ F. The anode voltage shall be measured direct from anode to earth using a normal rectifier meter.
2. Measured in the same circuit as Note 1 except that the output shall be 135mA. with a load resistor 3,000 ohms.
3. The valve shall have operated at 500V. R.M.S., 76mA. min. continuously for a minimum period of two minutes before this test is performed.
4. Measured with cathode positive with respect to heater and a series resistor of 330 ohms max.
5. During this test the valve shall not exhibit sustained sparking or flashing when tapped.

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