

Specification No. MOS/CV1356/5 Dated : 25.11.53 To be read in conjunction with K1001, ignoring clauses 5.2, 5.8.			<u>SECURITY</u>	
			<u>Specification</u> Restricted	<u>Valve</u> Restricted
→ Indicates a change				
<u>TYPE OF VALVE</u> : Half-wave rectifier <u>CATHODE</u> : Indirectly heated <u>ENVELOPE</u> : Non-metallised <u>COMMERCIAL PROTOTYPE</u> : Mazda U22			<u>MARKING</u> As in K1001/4	
<u>RATING</u>			<u>BASE</u> Mazda Octal	
		Note	Pin	Electrode
Heater voltage (V)	2.0		1	Heater & Cathode
Heater current (A)	2.0		2	Pin omitted
→ Max. anode volts (RMS) (kV)	3.7	A	3	No connection
→ Max. peak inverse voltage (kV)	10	A	4	Pin omitted
→ Max. PIV (Working) (kV)	14.5	B	5	No connection
→ Max. RMS Applied Voltage (kV)	5.2	B	6	Pin omitted
			7	Pin omitted
			8	Heater
			T.C.	Anode
<u>NOTES</u>			<u>TOP CAP</u>	
A	(Max. mean anode current (mA)	5.0	See K1001/A1/D5.1	
	(Max. peak anode current (mA)	55		
	(Min. limiting resistance	30k Ω		
B	(Max. mean anode current (mA)	1.0	<u>DIMENSIONS</u> See K1001/A1/D1	
	(Max. peak anode current (mA)	20	Dimensions	Min.
	(Min. limiting resistance	50k Ω	A mms.	-
			B mms.	-
			L mms.	-
				98
				29.0
				85

TESTS

To be performed in addition to those applicable in K1001

Test Conditions			Test	Limits		No. Tested
				Min.	Max.	
a	Vh	Va	Ih (A)	1.8	2.2	100% or S
	2.0	-				
b	2.0	140	Ia (mA)	10.5	23.0	100%
c	2.0	4,300 R.M.S. See Notes 1 and 2.	There shall be no indication of sparking or flashing back.	-	-	100%

NOTES

1. Series anode resistance = 10,000Ω
 Load resistance = 1.0MΩ
 Reservoir condenser = 0.1μF
2. Before this test is made the valve will be preheated for 1 minute.