

Specification No. MOS/CV1356/5			<u>SECURITY</u>		
Dated : 25.11.53			<u>Specification</u>		<u>Valve</u>
To be read in conjunction with K1001, ignoring clauses 5.2, 5.8.			Restricted		Restricted
—————→ Indicates a change					
<u>TYPE OF VALVE</u> : Half-wave rectifier			<u>MARKING</u>		
<u>CATHODE</u> : Indirectly heated			As in K1001/4		
<u>ENVELOPE</u> : Non-metallised					
<u>COMMERCIAL PROTOTYPE</u> : Mazda U22					
<u>RATING</u>			<u>BASE</u>		
		Note	Mazda Octal		
			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>		
{Max. peak anode current (mA) 20			See K1001/A1/D1		
{Min. limiting resistance 50k Ω					
			Dimensions	Min.	Max.
			A mms.	-	98
			B mms.	-	29.0
			L mms.	-	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

- Series anode resistance = 10,000 Ω
Load resistance = 1.0M Ω
Reservoir condenser = 0.1 μ F
- Before this test is made the valve will be preheated for 1 minute.