

**MAZDA**

U.22

**HIGH VOLTAGE H.W. RECTIFIER**  
Indirectly Heated

U.22

RATING

Heater Voltage (volts)	$V_h$	2.0	2.0
Heater Current (amps)	$I_h$	2.0	2.0
Maximum Anode Voltage (volts RMS)	$V_{a(rms)max}$	5,200	-
Maximum Peak Inverse Anode Voltage (volts) (Working)	P.I.V.(max)	14,500	10,000
Maximum Mean Anode Current (mA)	$I_{a(av)max}$	1.0	5.0
Maximum Peak Anode Current (mA)	$I_{a(pk)max}$	20	55.0
Minimum Limiting Resistance (ohms) *		50,000	30,000

- \* This resistance may be obtained in the distributed resistance of the transformer winding.

INTER-ELECTRODE CAPACITANCE

Anode/Heater+Cathode ( $\mu\text{pF}$ )	$C_{a-all}$	2.2
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DIMENSIONS

Maximum Overall Length (mm)	96
Maximum Diameter (Base) (mm)	29.5
Maximum Seated Height (mm)	83
Approximate Nett Weight (ozs)	1
Approximate Packed Weight (ozs)	1½

MOUNTING POSITION - Unrestricted.

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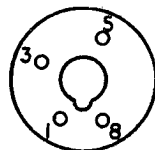
A.C. Input Volts (RMS)	3,700	4,000	4,500	4,800	5,150
Reservoir Condenser ( $\mu$ F)	0.1	0.1	0.1	0.1	0.1
D.C. Load Current (mA)	0.25	0.25	0.25	0.25	0.25
D.C. volts Output (kV)	5.0	5.45	6.1	6.5	7.0
Ripple Volts (RMS) at 50 cps (approx.)	14	14	14	14	14

NOTE . Heating time delay approximately 15% of final output voltage at 35 secs.

BULB Clear

CAP Standard EVA

BASE British Octal  
(BO4)



Viewed from underside of Base.

CONNEXIONS

Pin 1	Heater, Cathode & Shield	h, k and s
Pin 2	Omitted	-
Pin 3	-	-
Pin 4	Omitted	-
Pin 5	-	-
Pin 6	Omitted	-
Pin 7	Omitted	-
Pin 8	Heater	h
Top Cap	Anode	a

NOTE This sheet supersedes leaflet U22/Sheet 12/6.