

MAZDA**U.22****HIGH VOLTAGE H.W. RECTIFIER**
Indirectly Heated**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 (μF)	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.

MAZDA

U.22

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

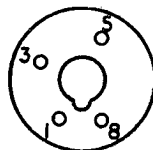
A.C. Input Volts (RMS)	3,700	4,000	4,500	4,800	5,150
Reservoir Condenser (μ F)	0.1	0.1	0.1	0.1	0.1
D.C. Load Current (mA)	0.25	0.25	0.25	0.25	0.25
D.C. volts Output (kV)	5.0	5.45	6.1	6.5	7.0
Ripple Volts (RMS) } at 50 cps (approx.)	14	14	14	14	14

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.