

MAZDA

U.U.9

FULL WAVE RECTIFIER

Indirectly heated - for parallel operation

RATING

Heater Voltage (volts)	V_h	6.3
Heater Current (amps)	I_h	0.63
Maximum Anode Voltage (volts RMS per anode)	$V_{a(rms)max}$	350
Maximum Peak Inverse Voltage (volts)	P.I.V.(max)	1100
Maximum Total Mean Anode Current (mA)	$I_{a(av)max}$	90
Maximum Peak Anode Current (mA)	$I_{a(pk)max}$	360
Maximum Reservoir Condenser (μF)		16
Maximum Peak Potential Heater/Cathode with Heater negative (volts DC)	$V_{h-k(max)}$	* 300

* This rating is applicable only
to vibrator power supplies.

DIMENSIONS

Maximum Overall Length (mm)	76
Maximum Diameter (mm)	22
Maximum Seated Height (mm)	63
Radius Over Location Key (mm)	12.25
Approximate Nett Weight (ozs)	$\frac{3}{4}$
Approximate Packed Weight (ozs)	1

MOUNTING POSITION - Unrestricted

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TYPICAL OPERATION (as Full Wave Rectifier)

Voltage per anode (volts RMS)	300	350	300	350
Approximate DC Rectified Output (volts)	† 360	425	340	405
DC Load Current (mA)	60	60	90	90
Reservoir Condenser (µF)	8	8	8	8

† These voltages assume very low transformer resistances and reactances.

EULB ClearBASE B.8.A.

Viewed from free end of pins.

CONNEXIONS

Pin 1	Heater	h
Pin 2	Anode 2	a"
Pin 3	Internal Connexion ¶	
Pin 4	Internal Connexion ¶	
Pin 5	Internal Connexion ¶	
Pin 6	Anode 1	a'
Pin 7	Cathode	k
Pin 8	Heater	h

¶ "Internal Connexion" indicates that the pin is connected to an electrode for the purpose of improving mechanical rigidity. The connexion may not always be made to the same electrode on a given valve type and it is essential that the corresponding valve holder socket be left unconnected.

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AVERAGE CHARACTERISTIC CURVE

