



ELECTRONIC TUBE REFERENCE

UU12

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Mazda UU12 (EZ81) indirectly heated full-wave rectifier with two anodes and common cathode, 6.3 V 1 A heater, B9A base.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	9
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1300 V
PEAK FORWARD CURRENT	500 mA
MAXIMUM HEATER-CATHODE VOLTAGE	500 V
<i>Mazda UU12/EZ81 each anode: PIV max 1300 V, peak forward current max 500 mA, surge forward current max 1.8 A. Heater-negative-to-cathode limit 500 V. Full-wave total DC output is shared across both anodes; capacitor input 50 μF max. Typical total DC output 160 mA at 250 V RMS/anode, 150 mA at 350 V, 100 mA at 450 V.</i>	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1300 V
PEAK FORWARD CURRENT	500 mA
MAXIMUM HEATER-CATHODE VOLTAGE	500 V
Mazda UU12/EZ81 each anode: PIV max 1300 V, peak forward current max 500 mA, surge forward current max 1.8 A. Heater-negative-to-cathode limit 500 V. Full-wave total DC output is shared across both anodes; capacitor input 50 μ F max. Typical total DC output 160 mA at 250 V RMS/anode, 150 mA at 350 V, 100 mA at 450 V.	

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker