



ELECTRONIC TUBE REFERENCE

6X4WS

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Ruggedized miniature full-wave rectifier for mobile, aeronautical, and industrial equipment. Strengthened construction withstands shock, vibration, and repeated heater cycling while providing conventional high-vacuum power-supply rectification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1375 V
NOMINAL OUTPUT CURRENT	75 mA
PEAK FORWARD CURRENT	750 mA
MAXIMUM HEATER-CATHODE VOLTAGE	450 V
<i>Published ratings/characteristics promoted from source tables.</i>	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1375 V
NOMINAL OUTPUT CURRENT	75 mA
PEAK FORWARD CURRENT	750 mA
MAXIMUM HEATER-CATHODE VOLTAGE	450 V
<i>Second physical rectifier section; electrical properties populated from corresponding identical section.</i>	

Ruggedized two-plate rectifier designed for shock, vibration, and repeated heater cycling in mobile, aeronautical, and industrial equipment.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 Mazda Belvu

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1968 MAZDA BELVU

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage VÊ	6.3 V	—
Heater current If	600 mA	—
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Heater voltage ssereereenenmenenneesnnnnnnnnnen N	6.9 V	—
T'ension inverse de crête sur l'anode Vaicr	1375 V	—
Courant d'anode de pointe s . Iap	750 mA	—
Courant d'anode récurrent de crête ... Iacr	230 mA	—
Courant moyen redressé Ired	75 mA	—
Tension de crête entre filament et cathode socsseccesonss VfKCF	450 V	—
Température de l'ampoule au point le plus chaud	175 ° C	—
Altitude sans pressuriSati0Nn Lueeceremcrecensemensennnnse	10 km	—
Tension appliquée à chaque anode sans charge ... 440	440 V	—
Fréquence du réseau d'alimentation n 50	50 Hz	—
Résistance totaie de l' allmentat10nparanode	755 Ω	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Courant continu redressé à l'entrée du filtre 70	70 mA	—
pour un courant continu de 35 MA ...eusesreosrue 375	505 V	—
pour un courant continu de 70 MA ... 360	425 V	—