

ELECTRONIC TUBE REFERENCE

6BX4

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

Indirectly heated two-plate full-wave rectifier for receiving-equipment power supplies. Rated for approximately 1.35 kV peak inverse voltage, 90 mA DC output, and 270 mA peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5BS	BASE PINS	5
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

5BS - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – P2	A	P – Plate (Anode)	CONNECTED
PIN3 – H	–	H – Heater	CONNECTED
PIN4 – H	–	H – Heater	CONNECTED
PIN6 – P1	A	P – Plate (Anode)	CONNECTED
PIN7 – K	A	K – Cathode	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1350 V
NOMINAL OUTPUT CURRENT	90 mA
PEAK FORWARD CURRENT	270 mA
Published maximum ratings, operating characteristics, rectifier data, and capacitances reviewed.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1350 V
NOMINAL OUTPUT CURRENT	90 mA
PEAK FORWARD CURRENT	270 mA

Indirectly heated two-plate rectifier intended for power-supply rectification.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published heater rating
Heater current	600 mA	Published heater rating
OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	90 mA	FullWave
Peak inverse voltage	1350 V	FullWave
RMS supply voltage per plate	350 V	FullWave
Peak current per plate	270 mA	FullWave



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
Tension filAment merseseseerssessenersencrovemsensessseues VI	6.3 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current If	600 mA	—
Peak inverse voltage d'anode – ceserecreess VaiCr	1500 V	—
Courant de crête d'anod@ s ... Iacr	270 mA	—
Coutant redressé... ... Ired	90 mA	—
Tension de crête entre fllement et cathode ... Vfker	500 V	—
Inductance à l'entrée du filtre LL	8 H	—
Rectified output current = ... ovevecesecrsecesus ITeA 90	90 mA	—
à demi-charge (45 mA) ... eovescascsarasesesseesenn VIed 400	385 V	—
à pleine charge (90 mA) Vred " 360	375 V	—

1968 MAZDA BELVU

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tension filAment merseseseersessenersencrovemsensessseues VI	6.3 V	—
Heater current If	600 mA	—
Peak inverse voltage d'anode – ceserecreess VaiCr	1500 V	—