

ELECTRONIC TUBE REFERENCE

6AV4

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Indirectly heated full-wave high-vacuum rectifier for AC power supplies. Rated for approximately 1.25 kV peak inverse voltage, 90 mA DC output, and 250 mA peak current from a 6.3 V heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5BS	BASE PINS	5
NOMINAL HEATER	6.3 V / 950 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	1250 V
NOMINAL OUTPUT CURRENT	90 mA
PEAK FORWARD CURRENT	250 mA
Promoted from the printed maximum-rating/characteristic columns; operating points retained as section parameters.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1250 V
NOMINAL OUTPUT CURRENT	90 mA
PEAK FORWARD CURRENT	250 mA
<i>Second physical section; electrical properties populated from identical section.</i>	

Full-wave high-vacuum rectifier for AC power-supply service.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current maximum	90 mA	FullWave
Peak inverse voltage maximum	1250 V	FullWave
Peak current per plate maximum	250 mA	FullWave

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current maximum	90 mA	FullWave
Peak inverse voltage maximum	1250 V	FullWave
Peak current per plate maximum	250 mA	FullWave