

ELECTRONIC TUBE REFERENCE

6BY5G

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

Full-wave high-vacuum rectifier also specifically rated for television damper service, combining conventional rectification with horizontal-deflection damping capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6CN	BASE PINS	7
NOMINAL HEATER	6.3 V / 1.6 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

6CN - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – 2K	B	K – Cathode	CONNECTED
PIN2 – H	–	H – Heater	CONNECTED
PIN3 – IC	–	–	IC
PIN4 – 2P	B	P – Plate (Anode)	CONNECTED
PIN5 – 1P	A	P – Plate (Anode)	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
PIN8 – 1K	A	K – Cathode	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1400 V
NOMINAL OUTPUT CURRENT	175 mA
PEAK FORWARD CURRENT	525 mA
FORWARD VOLTAGE DROP	32 V
<i>Published maximum ratings, operating characteristics, rectifier data, and capacitances reviewed.</i>	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1400 V
NOMINAL OUTPUT CURRENT	175 mA
PEAK FORWARD CURRENT	525 mA
FORWARD VOLTAGE DROP	32 V

Full-wave high-vacuum rectifier also intended for television damper 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published heater rating
Heater current	1.6 A	Published heater rating
Tube voltage drop	32 V	At 175 mA DC

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	175 mA	FullWave
Peak inverse voltage	1400 V	FullWave
RMS supply voltage per plate	375 V	FullWave
Peak current per plate	525 mA	FullWave
TV damper peak inverse voltage	3000 V	TVDamperService

TUBE TINKER

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and their source documents.

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