

ELECTRONIC TUBE REFERENCE

36W4

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Half-wave high-vacuum rectifier for series-heater receiving equipment. Its 35 V heater and moderate current capability suit transformerless radio and similar electronic supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5BQ	BASE PINS	7
NOMINAL HEATER	35 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

5BQ - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN3 – H	–	H – Heater	CONNECTED
PIN4 – H	–	H – Heater	CONNECTED
PIN5 – P	A	P – Plate (Anode)	CONNECTED
PIN6 – HCT	–	HCT – Heater Center Tap	CONNECTED
PIN7 – K	A	K – Cathode	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	330 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	600 mA
FORWARD VOLTAGE DROP	18 V
<i>Published handbook ratings and operating characteristics reviewed.</i>	

36W4 is listed in the supplied receiving-tube handbook as a half-wave high-vacuum rectifier. The published heater/filament rating is 35.0 V at 0.15 A.

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
Peak inverse voltage	330 V	Published rectifier service
DC output current	100 mA	Published rectifier service
Peak current	600 mA	Published rectifier service
RMS supply voltage	117 V	Published rectifier service

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	18 V	At 200 mA DC
Heater/filament voltage	35 V	Published heater/filament rating
Heater/filament current	150 mA	Published heater/filament rating

TUBE TINKER

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and their source documents.

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