

ELECTRONIC TUBE REFERENCE

6BT4

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Indirectly heated full-wave rectifier for receiving-equipment power supplies. Its 6.3 V heater construction provides approximately 90 mA DC output, with additional operating ratings retained in the underlying source-derived record.

GENERAL CHARACTERISTICS

BASE DESIGNATION	OCTAL	BASE PINS	8
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Rectifier	
NOMINAL OUTPUT CURRENT	90 mA
MAXIMUM HEATER-CATHODE VOLTAGE	500 V
Representative of two electrically identical full-wave rectifier paths.	

SECTION2 Rectifier	
NOMINAL OUTPUT CURRENT	90 mA
MAXIMUM HEATER-CATHODE VOLTAGE	500 V

Indirectly heated full-wave rectifier. The supplied Philips/JETEC/RTMA sheet was read for heater data, section ratings, characteristics, operating conditions, and capacitances, with repeated identical sections compressed only where the locked workflow allows.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	600 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transformer secondary voltage per plate	350 V RMS	—
Maximum DC output current	90 mA	—
Maximum filter input capacitance	50 uF	—
Effective plate supply impedance per plate	300 ohm	—
Maximum peak heater-cathode voltage	500 V	—

TUBE TINKER

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and their source documents.

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