



ELECTRONIC TUBE REFERENCE

EY500

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-current booster or efficiency diode for color-television horizontal time-base circuits, providing approximately 5.6 kV inverse-voltage capability and 440 mA average current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 2.1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	5600 V
NOMINAL OUTPUT CURRENT	440 mA
PEAK FORWARD CURRENT	800 mA
<i>Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed when applicable.</i>	

Booster diode for color-television time-base circuits.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Philips Receiving Tubes

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

1972 PHILIPS RECEIVING TUBES

Section 1 · Rectifier

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published nominal value
Heater current	2.1 A	Published nominal value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Rectifier

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical datum	6.3 V	Heater voltage V_e 6.3 V
Published electrical datum	2.1 A	Heater current I_f 2.1 A

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Nominal heater rating
Heater current	2.1 A	Nominal heater rating

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

