



ELECTRONIC TUBE REFERENCE

EY80

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Indirectly heated line rectifier and switching diode for television sweep circuits. Its high inverse-voltage capability and explicit line-switching function place it with horizontal energy-recovery diodes.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	4000 V
NOMINAL OUTPUT CURRENT	180 mA
PEAK FORWARD CURRENT	400 mA
MAXIMUM HEATER-CATHODE VOLTAGE	650 V
<i>Published ratings and characteristics promoted from the approved source.</i>	

Line rectifier and switching diode for television sweep circuits.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak plate voltage in blocking phase	4 kV	—
DC plate current maximum	180 mA	—
Peak plate current maximum	400 mA	—
Duty ratio minimum	1:5.5	—
Pulse duration maximum	18 μ s	—
Heater-cathode voltage maximum	650 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-cathode capacitance	5.5 pF	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Nominal heater rating

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	300 mA	Nominal heater rating