

ELECTRONIC TUBE REFERENCE

EZ12

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Indirectly heated full-wave rectifier for mains-powered electronic equipment. Its 6.3 V heater construction supports transformer-dependent DC output up to approximately 125 mA in documented operating conditions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 900 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	500 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	450 mA
MAXIMUM HEATER-CATHODE VOLTAGE	550 V
Representative promoted row for repeated identical sections.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	500 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	450 mA
MAXIMUM HEATER-CATHODE VOLTAGE	550 V
Physical rectifier section 2; identical section values duplicated per physical-section policy.	

Indirectly heated full-wave rectifier for mains-powered equipment, rated up to 125 mA DC output depending on transformer voltage.



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
Transformer voltage maximum	2x500 V	FullWave
DC output current maximum	100 mA	At500V
DC output current maximum	125 mA	At400VOrLess



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS transformer voltage per plate	500 V	At100mADC;2x500V
DC output current maximum	100 mA	At2x500Vrms
RMS transformer voltage per plate	400 V	At125mADC;2x400VOrLess
DC output current maximum	125 mA	At2x400VrmsOrLess
Transformer voltage-current product maximum	100000 V*mA	2xU_rms * I_dc;400-500V range
Heater-to-cathode voltage maximum	550 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reservoir capacitance maximum	32 uF	—
Minimum series and protection resistance	300 0hm	—
Reservoir capacitance	16 uF	Curves

TUBE TINKER

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