



ELECTRONIC TUBE REFERENCE

RFG4

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Directly heated high-voltage half-wave rectifier for cathode-ray-tube supplies and voltage-doubler circuits. Rated for approximately 30 kV peak inverse voltage with about 5 mA average output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	30000 V
NOMINAL OUTPUT CURRENT	5 mA
<i>Published Telefunken ratings and characteristics promoted from the supplied German source.</i>	

Directly heated half-wave high-voltage rectifier for cathode-ray-tube supplies; usable in voltage-doubler circuits.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	4 V	—
HeaterOrFilamentCurrent	4 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
TransformerRMSVoltage	10 kV	—
Reservoir Capacitance	0.5 uF	—