



ELECTRONIC TUBE REFERENCE

RFG3

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Indirectly heated high-voltage half-wave rectifier for cathode-ray-tube power supplies. Rated for approximately 10 kV peak inverse voltage with about 5 mA average output, emphasizing high voltage at low current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 650 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	10000 V
NOMINAL OUTPUT CURRENT	5 mA
<i>Published historical Telefunken data promoted where legible; filename-designated tube kept distinct from surrounding handbook entries.</i>	

Indirectly heated high-voltage half-wave rectifier for cathode-ray-tube power supplies.

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

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	High-voltage half-wave CRT rectifier	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transformer RMS voltage maximum	3.5 kV	—
Minimum protective series resistance	10 kOhm	—