



ELECTRONIC TUBE REFERENCE

RENS1854

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-PENTODE

Telefunken screen-grid binode combining a detector diode with an amplifier pentode for detection followed by audio-frequency amplification. Integrating both functions reduces receiver tube count in series-heater equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 180 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

No fixed ratings recorded.

Published historical Telefunken data promoted where legible; filename-designated tube kept distinct from surrounding handbook entries.

SECTION2 Pentode

MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	100 V

Published historical Telefunken data promoted where legible; filename-designated tube kept distinct from surrounding handbook entries.

Screen-grid binode combining a detector diode with an amplifier section for detection and subsequent AF amplification.



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 · Diode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Detector diode	—

1959 TELEFUNKEN

Section 2 · Pentode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	AF amplifier	—

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