



ELECTRONIC TUBE REFERENCE

RV271A

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Oxide-cathode Telefunken power triode for amplifier and modulator service. Rated for approximately 150 W plate dissipation and 1.5 kV plate voltage, with a published Class A operating point producing about 50 W.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8 V / 1.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	2500 Ω
TRANSCONDUCTANCE	0.0048 S
AMPLIFICATION FACTOR	8.5
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	150 W
Peak plate voltage rating 3000 V is retained as a parameter; 50 W normal Class-A output point published.	

The RV271A is an oxide-cathode power triode intended for amplification and modulation. The sheet gives a normal Class-A point of 1500 V, 100 mA and about 50 W output, along with 150 W maximum plate dissipation.

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak plate voltage	3000 V	—
Plate voltage	1500 V	ClassA
Grid bias	-150 V	ClassA
Plate current	100 mA	ClassA
Grid signal voltage	100 V rms	ClassA
Load resistance	10000 Ohm	ClassA
Output power	50 W	ClassA;Distortion=10%

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	11.5 pF	—
Output capacitance	1.1 pF	—
Grid-plate capacitance	5 pF	—