

ELECTRONIC TUBE REFERENCE

RD12TE

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Lorenz indirectly heated decimeter-wave transmitting triode with self-excited oscillator operating data around 50 cm wavelength.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 220 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2444 Ω
TRANSCONDUCTANCE	0.009 S
AMPLIFICATION FACTOR	22
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	70 mA
Published ratings and characteristics were promoted when unambiguous; additional operating values are preserved in TUBE_SECTION_PARAMETER.	

Lorenz RD12TE indirectly heated decimeter-wave triode, including self-excited oscillator operating data at approximately 50 cm wavelength.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

194X Wehrmacht Rohren

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

194X WEHRMACHT ROHREN

Section 1 · Triode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-cathode capacitance	3.5 pF	—
Grid-plate capacitance	1.7 pF	—
Plate-cathode capacitance	0.7 pF	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	35 mA	U _a =100 V; U _g =0 V

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RF efficiency	35 percent	Self-excited; 50 cm wavelength; anode input 10 W

TUBE TINKER

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