



ELECTRONIC TUBE REFERENCE

LV13

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-transconductance pulse power triode designed for keyed transmitter and pulse-amplifier service. Published ratings include approximately 9 kW RF pulse output, 2 kV pulse plate voltage, and peak cathode current to 15 A.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 1.4 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.03 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	30 W
MAXIMUM CATHODE CURRENT	200 mA
Published ratings and characteristics were promoted when unambiguous; additional operating values are preserved in TUBE_SECTION_PARAMETER.	

Telefunken LV13 triode for pulse amplification and keyed self-excited or externally driven transmitting stages, with high pulse-current and high-voltage ratings.

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	18 pF	—
Plate-cathode capacitance	2.3 pF	—
Grid-plate capacitance	12 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pulse plate voltage	2000 V	Anode-keyed pulse operation; <=8 us
Cathode peak current	15 A	Pulse amplifier; <=8 us
Cathode current during pulse	8 A	Transmitter service; <=8 us
RF pulse output power	9 kW	Ua=1200 V pulse amplifier

TUBE TINKER

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and their source documents.

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