



ELECTRONIC TUBE REFERENCE

LD7

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-power UHF transmitting triode for radio-frequency service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 2.1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM GRID DISSIPATION	3 W
<i>Published ratings and characteristics promoted where directly established; additional values retained as parameters. Telefunken LD7 forced-air-cooled metal-ceramic decimetric-wave transmitting triode for self-excited and driven transmitters. Maximum DC anode voltage 2500 V in continuous Class B service, reduced to 1500 V for anode modulation; much higher anode pulse voltages are conditional and must not replace continuous limit. Maximum grid dissipation 3 W. Transconductance published as 18–28 mA/V at 1300 V and 150–170 mA; plate dissipation depends on cooling, with 300 W used as a documented cooling/operating example rather than an unrestricted universal limit. Nominal indirect heating 12.6 V / about 2.1 A.</i>	

LD7 is a transmitting or UHF/dezimeter-wave triode intended for oscillator and RF amplifier service as specified in the approved German technical sheet.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	12.6 V	Published technical-data value
Heater Current	2.1 A	Published technical-data value
Published Capacitance	5.6 pF	Published technical-data value

TUBE TINKER

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