



ELECTRONIC TUBE REFERENCE

LS52

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Lorenz short-wave transmitting pentode for continuous-wave and pulsed RF communications service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 700 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0045 S
MAXIMUM PLATE VOLTAGE	800 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM SCREEN DISSIPATION	6 W
MAXIMUM CATHODE CURRENT	130 mA
<i>Published ratings and characteristics were promoted when unambiguous; additional operating values are preserved in TUBE_SECTION_PARAMETER.</i>	

Lorenz LS52 short-wave transmitting pentode for continuous-wave and pulsed RF service, with a 12.6 V indirectly heated oxide cathode and published RF operating data.

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 · Pentode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-cathode capacitance	12 pF	—
Plate-cathode capacitance	4.2 pF	—
Grid-plate capacitance	—0.09 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pulse maximum plate voltage	2000 V	Pulse operation
Pulse maximum screen voltage	800 V	Pulse operation
Effective cathode pulse current	200 mA	Pulse operation
Cathode peak pulse current	1.4 A	Pulse operation; 10 us
RF output power	600 W	Pulse; wavelength 1.2 m; Ua=1500 V; Ug2=700 V; Ug1=-200 V