ELECTRONIC TUBE REFERENCE

LV3

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Versatile high-voltage pentode for amplification, transmitting, pulse, and deflection applications.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	12.6 V / 550 mA	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Pentode

TRANSCONDUCTANCE	0.015 S
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM SCREEN DISSIPATION	3.5 W
MAXIMUM CATHODE CURRENT	100 mA

Published ratings and characteristics were promoted when unambiguous; additional operating values are preserved in TUBE_SECTION_PARAMETER.

A pentode intended for amplification, transmitting, pulse, or deflection service, with published heater, operating, and limiting data.

SOURCE OPERATING CONDITIONS

194X Wehrmacht Rohren

SOURCE PDF

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**
Input capacitance	**18 pF**	—
Output capacitance	**6.5 pF**	—
Grid-plate capacitance	**—0.2 pF**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Pulse plate voltage	**3500 V**	Pulse operation
Pulse plate dissipation	**18 W**	Pulse service with Ua or Ua pulse <=1000 V
Dynamic screen dissipation	**5 W**	Dynamic
Cathode peak pulse current	**2 A**	Pulse <=5 us

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Pentode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heizspannung Ur	**12.6 V**	Heizspannung Ur 12,6 V
Heizstrom I;	**550 mA**	Heizstrom I; 550 mA
Steilheit S	**16 mA**	Steilheit S 16 mA/V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
(NF-Scheitelwert) üg	**1 NF**	(NF-Scheitelwert) üg1NF 6 a
Katodenstrom Ik max	**100 mA**	Katodenstrom Ik max 100 mA
Impulsanodenspannung U T max	**3500 V**	Impulsanodenspannung U T max 3500 V
Impulskatodenstrom IL max	**2 A**	Impulskatodenstrom IL max 2 A
bei Impulsbetrieb Qa max	**12 W**	bei Impulsbetrieb Qa max 12 W
Impulsbreite t_ <	**2 S**	Impulsbreite t_ <2 S

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anodenspannung Ua	**250 V**	Anodenspannung Ua 250 V
Bremsgitterspannung Ug3	**0 V**	Bremsgitterspannung Ug3 0 V
Schirmgitterspannung Ug2	**250 V**	Schirmgitterspannung Ug2 250 V
Gittervorspannung Ug1 —	**7.3 V**	Gittervorspannung Ug1 —7,3 V
Anodenstrom I5	**72 mA**	Anodenstrom I5 72 mA
Schirmgitterstrom 192	**9.5 mA**	Schirmgitterstrom 192 9,5 mA
Anodenstrom lad 33	**76 mA**	Anodenstrom lad 33 76 mA
Schirmgitterstrom Ig92d 5	**12 mA**	Schirmgitterstrom Ig92d 5 12 mA
Gitterstrom 'g1d 0,5	**3 mA**	Gitterstrom 'g1d 0,5 3 mA

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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