



ELECTRONIC TUBE REFERENCE

8KR8

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Triode/pentode television signal processor with a 20 mS video pentode and triode for sync or sound-IF service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	8 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	4400 Ω
TRANSCONDUCTANCE	0.0104 S
AMPLIFICATION FACTOR	46
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2 W
Published maximum ratings and characteristics promoted semantically from the approved source.	

SECTION2 Pentode	
PLATE RESISTANCE	60000 Ω
TRANSCONDUCTANCE	0.02 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM SCREEN DISSIPATION	1.1 W
<i>Published maximum ratings and characteristics promoted semantically from the approved source.</i>	

Medium-mu triode plus sharp-cutoff pentode; the pentode is a high-transconductance video amplifier and the triode is for general voltage-amplifier, sync-separator, or sound-IF service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	4400 ohm	—
Transconductance	10400 μ S	—
Amplification Factor	46	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	330 V	—
Maximum Plate Dissipation	2 W	—
Plate Voltage	125 V	Triode section
Plate Current	15 mA	Triode section

1950 SYLVANIA

Section 2 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	60000 ohm	—
Transconductance	20000 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	330 V	—
Maximum Screen Voltage	330 V	—
Maximum Plate Dissipation	5 W	—
Maximum Screen Dissipation	1.1 W	—
Plate Voltage	200 V	Pentode section

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen Voltage	100 V	Pentode section
Plate Current	19.5 mA	Pentode section

TUBE TINKER

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

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