

ELECTRONIC TUBE REFERENCE

8JK8

Voltage - Dual Triode (dissimilar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Dissimilar dual triode for FM tuners, combining a frame-grid RF amplifier section with an oscillator/mixer section to perform tuner amplification and frequency conversion.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8.4 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	8000 Ω
TRANSCONDUCTANCE	0.0068 S
AMPLIFICATION FACTOR	55
MAXIMUM PLATE VOLTAGE	165 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	22 mA
Published maximum ratings and characteristics promoted semantically from the approved source.	

SECTION2 Triode	
PLATE RESISTANCE	5400 Ω
TRANSCONDUCTANCE	0.013 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	22 mA
<i>Published maximum ratings and characteristics promoted semantically from the approved source.</i>	

8JK8 is an explicitly covered designation on the 6JK8 source sheet. Dissimilar dual triode for FM tuners, combining a frame-grid RF amplifier with an oscillator/mixer section.

SOURCE OPERATING CONDITIONS

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	8000 ohm	—
Transconductance	6800 μ S	—
Amplification Factor	55	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	165 V	—
Maximum Plate Dissipation	1 W	—
Maximum Cathode Current	22 mA	—
Plate Voltage	100 V	Oscillator section

1950 SYLVANIA

Section 2 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	5400 ohm	—
Transconductance	13000 μ S	—
Amplification Factor	70	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	200 V	—
Maximum Plate Dissipation	2 W	—
Maximum Cathode Current	22 mA	—
Plate Voltage	135 V	RF amplifier section

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	10 mA	RF amplifier section

TUBE TINKER

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and their source documents.

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