



ELECTRONIC TUBE REFERENCE

9AQ8

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Double triode designed for television tuner service, combining RF amplification with a self-oscillating mixer function for front-end frequency conversion.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	9 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0062 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	15 mA
<i>Published ratings and characteristics promoted from the supplied Rogers/Rogers Majestic source. Rogers specifies design-center plate voltage maximum 250 V per section, while Sylvania lists 300 V; selected conservative 250 V. Both sections: 2.5 W individual dissipation maximum, 4.5 W combined, 15 mA cathode current maximum. Typical triode μ 50, gm 6200 μmhos at 170 V and 10 mA. Used as TV RF amplifier and self-oscillating mixer.</i>	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0062 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	15 mA
<i>Second physical triode restored from supplied Rogers double-triode source. Rogers specifies design-center plate voltage maximum 250 V per section, while Sylvania lists 300 V; selected conservative 250 V. Both sections: 2.5 W individual dissipation maximum, 4.5 W combined, 15 mA cathode current maximum. Typical triode μ 50, gm 6200 μhos at 170 V and 10 mA. Used as TV RF amplifier and self-oscillating mixer.</i>	

Double triode for RF amplification and self-oscillating mixer service in television receivers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Rogers

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

1959 ROGERS

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	9 V	—
HeaterOrFilamentCurrent	300 mA	—
Application	RF amplifier and self-oscillating mixer	Television

TUBE TINKER

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and their source documents.

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