



ELECTRONIC TUBE REFERENCE

7308

Voltage - Dual Triode (dissimilar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Premium long-life, high-reliability version of the VHF cascode twin-triode family, designed for low-noise high-frequency amplification and demanding professional service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 335 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0125 S
AMPLIFICATION FACTOR	33
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1.65 W
MAXIMUM CATHODE CURRENT	110 mA
<i>Published ratings, characteristics, operating conditions and special-service data reviewed.</i>	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0115 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1.65 W
MAXIMUM CATHODE CURRENT	22 mA
<i>Second physical triode restored with section-specific Sylvania transconductance.</i>	

Premium low-noise twin triode with two closely matched sections for precision amplifier 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

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	VHF cascode / cathode follower	—



SOURCE OPERATING CONDITIONS

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1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Triode

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published rating
Heater current	335 mA	Published rating
Published characteristic value	1.75	PremiumQuality
Published absolute value	2	PremiumQuality

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	250 V	PremiumQuality
Maximum plate current	22 mA	PremiumQuality

SOURCE OPERATING CONDITIONS

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1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	335 mA	—
Transconductance section 1	12500 μ S	—
Transconductance section 2	11500 μ S	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater-cathode voltage maximum heater negative	120 V	—
Heater-cathode voltage maximum heater positive	60 V	—
Peak cathode current maximum	110 mA	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Low-noise precision twin-triode amplifier	—

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