



ELECTRONIC TUBE REFERENCE

396A

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Medium-mu twin triode with separate cathodes for amplifier, mixer, oscillator and multivibrator service at frequencies extending into UHF, combining compact construction with useful high-frequency characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E9-1	BASE PINS	9
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	6400 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM GRID DISSIPATION	0.1 W
Two physically identical triode sections with separate cathodes; one representative TUBE_SECTION row is used per the repeated-identical-section rule. Promoted values apply to each section.	

SECTION2 Triode	
PLATE RESISTANCE	6400 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM GRID DISSIPATION	0.1 W
<i>Second identical physical triode section with separate cathode; added to align rows with SectionCount.</i>	

Twin triode with separate cathodes for amplifier, mixer, oscillator and multivibrator service, usable to about 800 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Ericsson Longlife

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

1965 ERICSSON LONGLIFE

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate supply voltage	150 V	ClassA;EachSection
Cathode bias resistor	240 0hm	ClassA;EachSection
Plate current	8.2 mA	ClassA;EachSection
Plate supply voltage	300 V	ClassAB;PushPull;TwoTubes
Load impedance plate-to-plate	40000 0hm	ClassAB;PushPull;TwoTubes
Maximum signal power output	1 W	ClassAB;PushPull;TwoTubes
Total harmonic distortion	10 %	ClassAB;PushPull;TwoTubes
Heater current maximum	320 mA	—
Plate current maximum	10 mA	EachSection
Transconductance maximum	6600 uS	EachSection

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	5500 uS	ClassA;EachSection
Amplification factor	35 ratio	ClassA;EachSection
Plate resistance	6400 0hm	ClassA;EachSection
Equivalent noise resistance	500 0hm	EachSection
Input conductance at 100 MHz	130 uS	EachSection

2026 Western Electric 300s

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

2026 WESTERN ELECTRIC 300S

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridPlateCapacitance	1.3 pF	Per section; without external shield
Input Capacitance	2.2 pF	Per section; without external shield
Output Capacitance	1 pF	Per section; without external shield
Plate To Plate Capacitance	0.04 pF	Typical; without external shield
MaximumPlateToPlateCapacitance	0.11 pF	Without external shield
Maximum Plate Current	16 mA	Each section
Maximum Heater Cathode Voltage	90 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	8.2 mA	ClassA; EachSection; Plate=150 V; Grid=-2 V
Transconductance	5500 uS	ClassA; EachSection; Plate=150 V
Amplification Factor	35	ClassA; EachSection

TUBE TINKER

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

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