



ELECTRONIC TUBE REFERENCE

272A

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

General-purpose receiving triode for voltage amplification, detection, oscillator, or Class-A service as documented by the manufacturer.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	10 V / 320 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	7400 Ω
TRANSCONDUCTANCE	0.00075 S
AMPLIFICATION FACTOR	5.6
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	1.4 W
<i>Published ratings and characteristics promoted from the approved datasheet.</i>	

Western Electric general-purpose triode with a 10.0 V, 0.32 A heater-type cathode and a published Class-A operating point.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1933 Western Electric Tubes

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

1933 WESTERN ELECTRIC TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-grid capacitance	2.8 pF	Published direct interelectrode capacitance
Plate-cathode capacitance	2.6 pF	Published direct interelectrode capacitance
Grid-cathode capacitance	3.4 pF	Published direct interelectrode capacitance



SOURCE OPERATING CONDITIONS

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1956 Western Electric Tubes

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

1956 WESTERN ELECTRIC TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	10 V	—
Heater Current	320 mA	—
Maximum Plate Voltage	200 V	—
Maximum Plate Dissipation	1.4 W	—
Maximum Heater-Cathode Voltage	100 V	—
Plate Voltage	140 V	ClassA
Plate Current	5.4 mA	ClassA
Power Output	0.12 W	ClassA

Characteristic		
Parameter	Published Value	Condition / Note
Amplification Factor	5.6	ClassA
Transconductance	750 μ S	ClassA
Plate Resistance	7400 ohm	ClassA



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 200s

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

2026 WESTERN ELECTRIC 200S

Section 1 · Triode

Capacitance		
Parameter	Published Value	Condition / Note
Grid To Plate Capacitance	2.8 pF	—
GridToHeaterCathodeCapacitance	3.4 pF	—
PlateToHeaterCathodeCapacitance	2.6 pF	—

TUBE TINKER

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