



ELECTRONIC TUBE REFERENCE

276A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Directly heated Western Electric power triode intended for audio and radio-frequency transmitting applications. Its 100 W plate dissipation and 1.25 kV plate capability support substantial power stages, with full RF ratings into the tens-of-megahertz range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	7.5 V / 3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	8000 Ω
TRANSCONDUCTANCE	0.004 S
AMPLIFICATION FACTOR	12
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	100 W
MAXIMUM CATHODE CURRENT	125 mA
<i>Maximum ratings and characteristic constants promoted where reliably published in the approved sheet.</i>	

RF/AF power amplifier, oscillator and modulator triode. The datasheet publishes maximum ratings, typical operating conditions and electrical characteristics.



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	9 pF	Published direct interelectrode capacitance
Plate-filament capacitance	4 pF	Published direct interelectrode capacitance
Grid-filament capacitance	6 pF	Published direct interelectrode capacitance



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1945 United Electronics

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

1945 UNITED ELECTRONICS

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	7.5 V	—
Filament current	3 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct plate voltage	1250 V	—
Maximum plate dissipation	100 W	—



1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum full-rating frequency	20 MHz	—



SOURCE DATA APPENDIX

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
Plate To Grid Capacitance	9 pF	—
Grid To Filament Capacitance	6 pF	—
Plate To Filament Capacitance	4 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumDirectGridCurrent	50 mA	—
MaximumFrequencyAtFullRatings	30 MHz	—

TUBE TINKER

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

