



ELECTRONIC TUBE REFERENCE

245A

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Screen-grid tetrode intended for receiver voltage amplification, detector, oscillator, or general Class-A service as documented by the manufacturer.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	2 V / 1.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
PLATE RESISTANCE	110000 Ω
TRANSCONDUCTANCE	0.00078 S
MAXIMUM PLATE VOLTAGE	180 V
MAXIMUM SCREEN VOLTAGE	67.5 V
<i>Promoted fields mapped from published ratings/characteristics; additional published values preserved in parameter table.</i>	

The Western Electric 245A is a tetrode listed in the supplied catalog table.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	200 V	Catalog-table value



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 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	2 volt	Heater voltage 2.0 volts, a.c. or d.c.
Nominal heater current	1.6 amperes	Nominal heater current 1.60 amperes
are shown as functions of plate voltage for several values of control-grid voltage in Figures	3 volt	are shown as functions of plate voltage for several values of control-grid voltage in Figures 3 and
Published value	4 volt	4 for screen-grid voltages of 45 and 67.5 volts, respectively. Plate current, screen-grid current,
Corresponding amplification factor, and plate resistance characteristics are given in Figures	8	Corresponding amplification factor, and plate resistance characteristics are given in Figures 8, 9,

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Microphonic Noise—With a plate voltage of	135 volt	Microphonic Noise—With a plate voltage of 135 volts, a screen-grid voltage of 45 volts, a control-
grid bias of	-1.5 volts	grid bias of —1.5 volts, and a load resistance of 100,000 ohms, the mean microphonic noise output

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker