



ELECTRONIC TUBE REFERENCE

283A

Voltage Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Western Electric variable-mu screen-grid tetrode for controlled high-frequency and audio-frequency voltage amplification, using extended cutoff for receiver gain regulation.

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

SECTION 1 Tetrode	
PLATE RESISTANCE	700000 Ω
TRANSCONDUCTANCE	0.0014 S
AMPLIFICATION FACTOR	980
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	75 V
MAXIMUM CATHODE CURRENT	6 mA

Indirectly heated variable-mu screen-grid tetrode for high-frequency and audio-frequency voltage amplification.

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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ControlGridToPlateCapacitance	0.004 pF	—
ControlGridToHeaterCathodeScreenGridCapacitance	6.5 pF	—
PlateToHeaterCathodeScreenGridCapacitance	14 pF	—