



ELECTRONIC TUBE REFERENCE

442A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated transmitting power triode intended for RF amplifier, oscillator, or modulator service. Manufacturer operating data emphasize radio-frequency power generation, substantial plate loading, and professional transmitter applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4.5 V / 1.6 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	3700 Ω
TRANSCONDUCTANCE	0.00195 S
AMPLIFICATION FACTOR	7.2
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	14 W
MAXIMUM CATHODE CURRENT	55 mA
<i>Promoted from absolute maximum ratings and representative published typical characteristics.</i>	

Western Electric 442A is a filamentary triode designed for use as an audio-frequency power amplifier or modulator.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 400s

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

2026 WESTERN ELECTRIC 400S

Section 1 · Triode

OTHER

PARAMETER

PUBLISHED VALUE

CONDITION / NOTE

Typical maximum signal power output

0.88 W

PlateVoltage=350V;GridVoltage=-22.5V

TUBE TINKER

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