ELECTRONIC TUBE REFERENCE

437A

Power - Triode Single (under 10W) 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**	9
NOMINAL HEATER	6.3 V / 450 mA	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode

PLATE RESISTANCE	900 Ω
TRANSCONDUCTANCE	0.046 S
AMPLIFICATION FACTOR	41
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	7 W
MAXIMUM CATHODE CURRENT	45 mA

Promoted from design-center maximum ratings and representative published characteristics.

Western Electric 437A is a high figure-of-merit triode with an indirectly heated cathode designed primarily for the output amplifier of the L-3 tandem two-stage amplifier.

SOURCE OPERATING CONDITIONS

2026 Western Electric 400s

SOURCE PDF

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

2026 WESTERN ELECTRIC 400S

Section 1 · Triode

CAPACITANCE		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Grid to plate maximum	**3.8 pF**	—
Input without external shield	**11.1 pF**	—
Output without external shield	**1 pF**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum heater-cathode voltage	**50 V**	—

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