



ELECTRONIC TUBE REFERENCE

4316A

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	—
NOMINAL HEATER	2 V / 3.65 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	2700 Ω
TRANSCONDUCTANCE	0.0024 S
AMPLIFICATION FACTOR	65
MAXIMUM PLATE VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	30 W
Ratings and characteristics extracted from 4316A.pdf.	

Triode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Standard Valves

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

1937 STANDARD VALVES

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	1.6 pF	—
Anode-filament capacitance	0.8 pF	—
Grid-filament capacitance	1.2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct anode current	80 mA	—
Maximum direct grid current	12 mA	—
Class C carrier output	75 W	450V

APPLICATION DATA		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Demonstrated oscillator frequency	600 MHz	UHF

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	2 volts	—
Nominal filament curren	3.65 amps	—
Impedance	2700 ohms	—
Mutual conductance	2.4 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct anode voltage	450 volts	—
Maximum direct anode curren	0.08 amps	—
Maximum direct grid curren	0.012 amps	—
Maximum anode dissipation	30 watts	—
Direct anode voltage 400	450 volts	—
Direct anode current 80	80 mA	—
Direct grid current 12	12 mA	—
Carrier output 6-5	7.5 watts	—
Place a	1000 ohm	—
2-0 volts to the filament and with the grid leak set a	15000 ohms	—
remove the	100 ohm	—
valve as an unmodulated oscillator with an input o	400 volts	—

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