



ELECTRONIC TUBE REFERENCE

4282B

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Standard Valves directly heated tetrode with published electrical and operating data. Its power construction supports output-stage service rather than receiving-type small-signal amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	10 V / 3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
PLATE RESISTANCE	70000 Ω
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	70 W
MAXIMUM SCREEN DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	100 mA
<i>Ratings and characteristics extracted from 4282B.pdf.</i>	

The 4282B is a tetrode described in the Standard Valves datasheet, using a directly heated filament cathode and published operating data.



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 · Tetrode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Total emission	125 A	Published datasheet value
Grid-anode capacitance	0.2 pF	Published datasheet value
Output capacitance	68 pF	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency for above ratings	30 MHz	Published datasheet value
Maximum direct grid current	50 mA	Published datasheet value



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 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	10 volts	—
Nominal filament current	3 amps	—
Total emission	1.25 amps	—
Impedance	70000 ohms	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
gt Vp =	1000 volts	—
Maximum direct anode voltage	1000 volts	—
Maximum direct anode curren	0.1 amps	—
Maximum anode dissipation	70 watts	—
Maximum direct grid curren	0.05 amps	—
Maximum screen-grid voltage	250 volts	—
Maximum screen-grid dissipation	5 watts	—
Maximum frequency for above ratings	30 Mc	—
Maximum anode voltage for frequency o	60 Mc	—
Direct anode voltage 1,000 750 750 500 1,000	750 volts	—
Direct anode current 0-100 0-100 0-100 0-100	0.1 amps	—
Direct screen-grid voltage 150 150 150 150 150	150 volts	—
Carrier output 33 25 50 33 67	50 watts	—
Anode dissipation 67 50 27 17 33	25 watts	—

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