



ELECTRONIC TUBE REFERENCE

4279A

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Large directly heated power triode for high-power RF and amplifier service. Approximately 1.2 kW plate dissipation, 3 kV plate capability, and full ratings to roughly 20 MHz suit substantial transmitting stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 21 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2000 Ω
AMPLIFICATION FACTOR	10
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM PLATE DISSIPATION	1200 W
MAXIMUM CATHODE CURRENT	800 mA
Ratings and characteristics extracted from 4279A.pdf.	

The 4279A is a triode 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 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Total emission	8 A	Published datasheet value
Grid-anode capacitance	18 pF	Published datasheet value
Anode-filament capacitance	7 pF	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency for above ratings	20 MHz	Published datasheet value
Maximum direct grid current	100 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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	10 volts	—
Nominal filament current	21 amps	—
Total emission	8 amps	—
Impedance	2000 ohms	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
at anode current o	300 mA	—
Maximum direct anode voltage	3000 volts	—
Maximum direct anode curren	0.8 amps	—
Maximum ariode dissipation	1200 watts	—
Maximum direct grid curren	100 mA	—
Maximum frequency for above ratings	20 Mc	—
Maximum anode voltage for frequency o	40 Mc	—
Direct anode voltage 2,500	2000 volts	—
Grid bias -170	-110 volts	—
Direct anode current 0-300	0.375 amps	—
Anode dissipation 750	750 watts	—
Load impedance 4,500	2000 ohms	—
Undistorted output 155	85 watts	—
Direct anode voltage 2,500	2000 volts	—
Direct anode current per valve—zero signal 0-150	0.11 amps	—
Anode current per valve—maximum signal 0-800	0.8 amps	—
Anode dissipation 900	720 watts	—
Load resistance—anode to anode 2,800	2240 ohms	—
Maximum output—2 valves 2,200	1760 watts	—
Direct anode voltage 3,000 2,500 2,250 1,750 3,000	2500 volts	—
-650	-540 volts	—
Carrier output 600 600 900 830 1,600	1300 watts	—
Anode dissipation 1,200 1,200 450 395 800	700 watts	—

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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