

ELECTRONIC TUBE REFERENCE

4081A

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Single-ended water-cooled triode documented by Standard Valves for high-power service, with construction, electrical constants, limiting conditions, and operating information.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	20 V / 59 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	6000 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	33
MAXIMUM PLATE VOLTAGE	17500 V
MAXIMUM PLATE DISSIPATION	20000 W
MAXIMUM GRID DISSIPATION	12000 W
Published ratings and characteristics promoted from approved datasheet.	

Single-ended water-cooled 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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumGridDissipation	12000 W	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
TotalEmission	75 A	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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	18.6 pF	Published capacitance
Grid-filament capacitance	18.4 pF	Published capacitance
Anode-filament capacitance	3.8 pF	Published capacitance

TUBE TINKER

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

