



ELECTRONIC TUBE REFERENCE

4033A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Indirectly heated oxide-cathode power triode for Class A and Class B audio amplification and RF service. Low plate resistance, moderate amplification factor, 25 W plate dissipation, and 600 V capability make it a versatile general-purpose power device.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	6 V / 1.4 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	1670 Ω
TRANSCONDUCTANCE	0.009 S
AMPLIFICATION FACTOR	15
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM CATHODE CURRENT	170 mA
<i>Published ratings/characteristics promoted; remaining useful source values represented as parameters.</i>	

Indirectly heated oxide-cathode triode with published Class A and Class B audio-frequency operation plus radio-frequency operating conditions.

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	8 pF	—
Anode-filament capacitance	2.7 pF	—
Grid-filament capacitance	11.9 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct anode current	170 mA	—
Maximum direct grid current	30 mA	—
Maximum frequency at full ratings	2 MHz	—
Anode voltage	400 V	ClassA;AF
Anode current	50 mA	ClassA;AF
Undistorted output	4 W	ClassA;AF
Maximum output	50 W	ClassB;AF;TwoTubes

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6 V	—
Heater/filament current	1.4 A	—
Plate resistance	1670 ohm	—
Transconductance	0.009 A/V	—
Amplification factor	15	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct anode voltage	600 V	—
Maximum anode dissipation	25 W	—
Maximum cathode/anode current	170 mA	—

TUBE TINKER

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

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