ELECTRONIC TUBE REFERENCE

4043B

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Directly heated power triode for Class B audio, modulator, and RF service. Published push-pull audio operation reaches about 60 W, while the type's 35 W plate dissipation and 600 V rating support moderate transmitter duty.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	4
NOMINAL HEATER	7.5 V / 1.2 A	**PARALLEL HEATER**	– / –
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode	
PLATE RESISTANCE	3500 Ω
AMPLIFICATION FACTOR	8
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	35 W
MAXIMUM CATHODE CURRENT	110 mA

Published ratings/characteristics promoted; remaining useful source values represented as parameters.

Directly heated triode for Class B audio/modulator and RF service. This earlier version is marked for replacement purposes and is replaced by 4043-C/-D.

SOURCE OPERATING CONDITIONS

1937 Standard Valves

SOURCE PDF

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	**13.3 pF**	—
Anode-filament capacitance	**4.8 pF**	—
Grid-filament capacitance	**7 pF**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct anode current	**110 mA**	—
Maximum direct grid current	**30 mA**	—
Maximum frequency at full ratings	**2 MHz**	—
Maximum anode voltage at 10 MHz	**500 V**	Frequency=10MHz
Direct anode voltage	**600 V**	ClassB;AF;TwoTubes
Load resistance anode-to-anode	**6000 ohm**	ClassB;AF;TwoTubes
Maximum output	**60 W**	ClassB;AF;TwoTubes

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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	**7.5 V**	—
Heater/filament current	**1.2 A**	—
Plate resistance	**3500 ohm**	—
Amplification factor	**8**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum direct anode voltage	**600 V**	—
Maximum anode dissipation	**35 W**	—
Maximum cathode/anode current	**110 mA**	—

Tube Tinker

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

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