ELECTRONIC TUBE REFERENCE

4074A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Dual power triode for both audio and RF applications. Its paired sections support push-pull Class B or paralleled Class A audio operation, while reduced-rating RF service extends into the UHF region near 300 MHz.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	7
NOMINAL HEATER	6.3 V / 800 mA	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode

PLATE RESISTANCE	4700 Ω
TRANSCONDUCTANCE	0.0029787234042553193 S
AMPLIFICATION FACTOR	14
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	50 mA

Representative row for two electrically identical triode sections.

SECTION2 Triode

PLATE RESISTANCE	4700 Ω
TRANSCONDUCTANCE	0.0029787234042553193 S
AMPLIFICATION FACTOR	14
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	50 mA

Identical second physical section; duplicated from representative section per physical-section-row policy.

4074A is a double triode; both sections identical; one representative section emitted. The Standard Valves sheet publishes construction, electrical constants, limiting conditions, and applicable operating data.

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

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum anode current	**50 mA**	OneSection
Nominal power output	**0.8 W**	ClassA;TwoSectionsParallel
Power output	**12 W**	ClassB;PushPull;TwoSections

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1946 Standard Telephone and Cables

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1946 STANDARD TELEPHONE AND CABLES

Section 1 · Triode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Grid-anode capacitance	**2.7 pF**	Published capacitance
Grid-cathode capacitance	**6 pF**	Published capacitance
Anode-cathode capacitance	**2.1 pF**	Published capacitance

SOURCE DATA APPENDIX

1947 Standard Valves

SOURCE PDF

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1947 STANDARD VALVES

Section 1 · Triode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum frequency at full ratings	**100 MHz**	—
Maximum operating frequency	**300 MHz**	—
RF power output	**14 W**	—

TUBE TINKER

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