Twin Triode

4074A

Characteristics are for one section only unless otherwise specified. Both sections are identical.

CATHODE.
Indirectly-heated Oxide-coated
Voltage 6.3 V
Nominal current 0.8 A

RATING.
Amplification factor Measured at
Impedance $\{Va 250V, Vg_1 - 7V\}$ 14 4,700 $\Omega$

DIRECT INTER-ELECTRODE CAPACITIES.
Grid to anode 2.7 pF
Grid to cathode 6.0 pF
Anode to cathode 1.3 pF

DIMENSIONS.
Maximum overall length 132 mm.
Maximum bulb diameter 46 mm.
Base American medium 7 pin
Net weight 75 g.

MAXIMUM RATINGS.
Maximum direct anode voltage 300 V
Maximum direct anode current 50 mA
Maximum anode dissipation 5 W
Maximum frequency for above ratings 100 Mc/s
Maximum frequency of operation 300 Mc/s

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TYPICAL OPERATING CONDITIONS.

AUDIO FREQUENCY.

Class A. Amplifier.
(Two sections in parallel).
Direct anode voltage 300 V
Grid bias —13 V
Anode current—2 sections 30 mA
Load resistance 7,000 Ω
Power output 1.0 W

The output power may be increased to 1.2 W by connecting the two sections in push-pull.

Class B. Power Amplifier.
(Two sections in push-pull).
Direct anode voltage 300 V
Grid bias —16 V
Direct anode current per section—zero signal 7 mA
Direct anode current per section—max. signal 37 mA
Peak AF grid to grid voltage 120 V
Power output—2 sections 12 W, approx.

RADIO FREQUENCY.

Class C. Push-pull Power Amplifier or Oscillator Unmodulated.
Direct anode voltage 300 V
Grid bias —36 V
Direct anode current 80 mA
Direct grid current 18 mA
Power output 14 W approx.
Characteristics are for one section only unless otherwise specified. Both sections are identical.
Twin Triode

4074A

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29 mm
ANODE LEFT

ANODE RIGHT

46 mm MAX. DIA.

132 mm MAX.

GRID LEFT.

CATHODE.

GRID RIGHT.

BLANK.

BLANK

HEATER.

June 1946

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