ELECTRONIC TUBE REFERENCE

# A1834

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
**2 SECTIONS**
CONSTRUCTION
**TRIODE**

High-mu planar transmitting triode designed for grounded-grid microwave oscillator and amplifier service. Its low-inductance metal-ceramic construction and very low interelectrode capacitance support operation well into the microwave frequency range.

## General characteristics

| | | | |
|---|---|---|---|
| **BASE DESIGNATION** | – | **BASE PINS** | – |
| **NOMINAL HEATER** | 6.3 V / 2.5 A | **PARALLEL HEATER** | – / – |
| **HEATING** | Indirect | **SERIES OPERATION** | Not specified |
| **CATHODE ARRANGEMENT** | Separate cathodes | **SECTION CONSTRUCTION** | Similar |

## Section ratings

**SECTION1** Triode

| | |
|---|---|
| **TRANSCONDUCTANCE** | 0.0075 S |
| **MAXIMUM PLATE VOLTAGE** | 250 V |
| **MAXIMUM PLATE DISSIPATION** | 13 W |

*Representative section row for two equivalent triode systems. Published maximum ratings and characteristics audited; remaining useful numerical data retained in TUBE_SECTION_PARAMETER.*

The A1834 is an indirectly heated dual triode intended for DC-amplifier and scanning-booster service, with two equivalent triode systems.

SOURCE OPERATING CONDITIONS

# 1955 Marconi

SOURCE PDF

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

1955 MARCONI

## Section 1 · Triode

| OTHER | | |
|---|---|---|
| **PARAMETER** | **PUBLISHED VALUE** | **CONDITION / NOTE** |
| Heater voltage | **6.3 V** | Published heater rating. |
| Heater current | **2.5 A** | Published heater rating. |
| Peak heater-cathode voltage | **300 V** | Maximum rating. |
| Plate voltage | **250 V** | Maximum per triode system. |
| Plate dissipation | **13 W** | Maximum per triode system. |
| Transconductance | **7500 uS** | Characteristic per triode system. |
| Scanning-booster peak inverse voltage | **17000 V** | Maximum scanning-booster rating; pulse duration limited to 10 us and 15% of scanning cycle. |

TUBE TINKER

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