

ELECTRONIC TUBE REFERENCE

3Q33IE

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
TRIODE

High-power RF triode for amplifier and oscillator service in transmitting equipment.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 27.5 V / 600 A    | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                           |          |
|---------------------------|----------|
| SECTION1 Triode           |          |
| PLATE RESISTANCE          | 750 Ω    |
| AMPLIFICATION FACTOR      | 46       |
| MAXIMUM PLATE VOLTAGE     | 17500 V  |
| MAXIMUM PLATE DISSIPATION | 160000 W |
| MAXIMUM GRID DISSIPATION  | 3000 W   |

Water-cooled triode intended for high-power radio-frequency amplifier and oscillator service, with published maximum ratings and typical Class B/Class C operating conditions.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1947 Standard Valves

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

## 1947 STANDARD VALVES

## Section 1 · Triode

## CHARACTERISTICS

| PARAMETER                    | PUBLISHED VALUE | CONDITION / NOTE |
|------------------------------|-----------------|------------------|
| GridToAnodeCapacitance       | 98 pF           | —                |
| Grid To Filament Capacitance | 145 pF          | —                |
| AnodeToFilamentCapacitance   | 7 pF            | —                |
| PeakEmission                 | 100 A           | —                |

## OTHER

| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
|---------------------------|-----------------|------------------|
| MaximumDirectAnodeCurrent | 16 A            | —                |

## TUBE TINKER

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

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