



## ELECTRONIC TUBE REFERENCE

5668

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-mu power triode for industrial radio-frequency heating service.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 22 V / 60 A       | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                       |         |
|---------------------------------------------------------------------------------------|---------|
| SECTION 1 Triode                                                                      |         |
| AMPLIFICATION FACTOR                                                                  | 50      |
| MAXIMUM PLATE VOLTAGE                                                                 | 14000 V |
| MAXIMUM PLATE DISSIPATION                                                             | 20000 W |
| MAXIMUM CATHODE CURRENT                                                               | 2 A     |
| Maximum ratings and general characteristics promoted from the printed service tables. |         |

The Machlett 5668 is a industrial rf-heating high-mu power triode.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1971 Machlette Laboratories

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

## 1971 MACHLETTE LABORATORIES

## Section 1 · Triode

| CHARACTERISTIC       |                 |                  |
|----------------------|-----------------|------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE |
| Amplification factor | 50              | —                |

| OTHER                         |                 |                  |
|-------------------------------|-----------------|------------------|
| PARAMETER                     | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum DC plate voltage      | 14000 V         | —                |
| Maximum plate dissipation     | 20000 W         | —                |
| Maximum plate/cathode current | 2 A             | —                |