



## ELECTRONIC TUBE REFERENCE

5512

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

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**TRIODE**

Water-cooled high-power RF transmitting triode.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.2 V / 435 A     | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                       |         |
|---------------------------------------------------------------------------------------------------------------------------------------|---------|
| SECTION 0 Triode                                                                                                                      |         |
| AMPLIFICATION FACTOR                                                                                                                  | 38      |
| MAXIMUM PLATE DISSIPATION                                                                                                             | 23000 W |
| Water cooled RF transmitting triode; narrative cites 25 kW dissipation but maximum ratings table states 23 kW. Table used as maximum. |         |



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 9999 Mixed H 1000

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

9999 MIXED H 1000

## Section 0 · Triode

| CHARACTERISTIC |                 |                                       |
|----------------|-----------------|---------------------------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE                      |
| Plate Voltage  | 7000 V          | Grounded grid RF operation at 108 MHz |

| OTHER                   |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Heater/filament voltage | 6.2 V           | Filament voltage |
| Heater/filament current | 435 A           | Filament current |

## TUBE TINKER

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

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