

ELECTRONIC TUBE REFERENCE

5837

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
KLYSTRON

Broadband reflex klystron designed for continuous-wave or pulse-modulated oscillator service with an external cavity from approximately 1.5 to 3 GHz.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 675 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                               |       |
|-----------------------------------------------------------------------------------------------|-------|
| SECTION1 Klystron                                                                             |       |
| MAXIMUM PLATE VOLTAGE                                                                         | 350 V |
| MAXIMUM CATHODE CURRENT                                                                       | 29 mA |
| Published maximum ratings and characteristics promoted semantically from the approved source. |       |

Broadband reflex klystron for continuous-wave or pulse-modulated oscillator service with an external cavity from about 1500 to 3000 MHz.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1950 Sylvania

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

## 1950 SYLVANIA

## Section 1 · Klystron

| OTHER                            |                 |                  |
|----------------------------------|-----------------|------------------|
| PARAMETER                        | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum Plate Voltage            | 350 V           | —                |
| Maximum Cathode Current          | 29 mA           | —                |
| Operating Frequency Maximum      | 3000 MHz        | —                |
| Resonator Voltage                | 350 V           | —                |
| Resonator Current                | 29 mA           | —                |
| Reflector Voltage                | -700 V          | —                |
| Power Input                      | 12 W            | —                |
| Pulse Repetition Rate<br>Maximum | 4000 pps        | —                |
| Minimum Pulse Duration           | 0.5 us          | —                |

## TUBE TINKER

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

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