

ELECTRONIC TUBE REFERENCE

5927

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA  
1 SECTION  
CONSTRUCTION  
MICROWAVETR SWITCH

Integral-cavity broadband transmit-receive microwave tube for decoupling a receiver from a shared transmitting and receiving antenna in pulsed radar systems.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

|                                                       |
|-------------------------------------------------------|
| SECTION 1 MicrowaveTRSwitch                           |
| No fixed ratings recorded.                            |
| Electrical section extracted from supplied datasheet. |

Integral-cavity broadband transmit-receive microwave tube for decoupling a receiver from a common transmitting and receiving antenna.



## 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 · Microwave TR Switch

| CHARACTERISTIC                                     |                 |                                                    |
|----------------------------------------------------|-----------------|----------------------------------------------------|
| PARAMETER                                          | PUBLISHED VALUE | CONDITION / NOTE                                   |
| Transmitter Peak Power (min.) 100 kw               | 100 kW          | Transmitter Peak Power (min.) 100 kw               |
| (1) Tested at 200 KW RF power; pulse length of 1.0 | 200 kW          | (1) Tested at 200 KW RF power; pulse length of 1.0 |
| 3300 mc; with ignitor current or 200 uAde,         | 3300 MHz        | 3300 mc; with ignitor current or 200 uAde,         |
| (2) Tested at 750 KW RF power; pulse length of     | 750 kW          | (2) Tested at 750 KW RF power; pulse length of     |

## TUBE TINKER

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

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