



## ELECTRONIC TUBE REFERENCE

## RS1081V

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Vapor-cooled Siemens transmitting triode with coaxial grid lead-through for RF amplifier and modulator service. Approximately 45 kW plate dissipation and 15 kV capability extend the RS1081 family to much greater continuous power.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 8 V / 115 A       | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                                  |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| SECTION 1 Triode                                                                                                                                 |         |
| TRANSCONDUCTANCE                                                                                                                                 | 0.035 S |
| AMPLIFICATION FACTOR                                                                                                                             | 45      |
| MAXIMUM PLATE VOLTAGE                                                                                                                            | 15000 V |
| MAXIMUM PLATE DISSIPATION                                                                                                                        | 45000 W |
| MAXIMUM GRID DISSIPATION                                                                                                                         | 500 W   |
| MAXIMUM CATHODE CURRENT                                                                                                                          | 8 A     |
| Maximum ratings kept separate from typical operating characteristics; fixed fields use published maximum-rating values where clearly applicable. |         |

Vapor-cooled transmitting triode with coaxial grid lead-through, particularly suitable for RF amplifiers and modulators, for frequencies up to 30 MHz.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1963 Siemens

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

1963 SIEMENS

## Section 1 · Triode

| CAPACITANCE   |                 |                  |
|---------------|-----------------|------------------|
| PARAMETER     | PUBLISHED VALUE | CONDITION / NOTE |
| Cathode/grid  | 80 pF           | —                |
| Cathode/anode | 1 pF            | —                |
| Grid/anode    | 33 pF           | —                |

| CHARACTERISTIC   |                 |                  |
|------------------|-----------------|------------------|
| PARAMETER        | PUBLISHED VALUE | CONDITION / NOTE |
| Emission current | 30 A            | —                |

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