

SYLVANIA ELECTRIC

RTMA Registration Data

TYPE 1D3

TRIODE

The Type 1D3 is a subminiature low-mu triode capable of operation in the uhf region.

MECHANICAL DATA

Style subminiature
 Cathode coated filament
 Bulb T-3
 Base K8-1, (1) Subminiature Button--Flexible Leads
 Outline 3-2
 Maximum Bulb Diameter 0.400 inch
 Maximum Overall Bulb Length 1.500 inches
 Minimum Lead Length 1.500 inches
 Mounting Position any
 Basing 8DN

Lead Connections:

| | |
|-------------------------|-------------------------|
| Lead 1 .. grid | Lead 5 .. filament (+) |
| Lead 2 .. no connection | Lead 6 .. no connection |
| Lead 3 .. no connection | Lead 7 .. no connection |
| Lead 4 .. filament (-) | Lead 8 .. plate |

ELECTRICAL DATA

GENERAL

Direct Interelectrode Capacitances:

| | | |
|-----------------------------------|------|-----------|
| Grid to Plate | 2.6 | μ f |
| Input | 1.0 | μ f |
| Output | 1.0 | μ f |
| Filament Voltage (ac or dc) | 1.25 | volts |
| Filament Current | 300 | milliamps |

RATINGS -- Absolute System

| | | |
|-----------------------------------|-------------------|-----------|
| Filament Voltage (ac or dc) | 1.25 (\pm 15%) | volts |
| Maximum Plate Voltage (dc) | 110 | volts |
| Maximum Plate Current (dc) | 22 | milliamps |

CHARACTERISTICS

Conditions:

| | | |
|--|-------|-----------|
| Filament Voltage (ac or dc) | 1.25 | volts |
| Plate Voltage (dc) | 90 | volts |
| Grid Voltage (dc) | -5.0 | volts |
| Plate Current (dc) | 12.5 | milliamps |
| Transconductance | 3,400 | micromhos |
| Amplification Factor | 8.7 | |
| Grid Voltage for 10 μ amps Plate Current | -25 | volts |

(1) With 1.500 inches Minimum Lead Length as specified above.