

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.