

SYLVANIA ELECTRIC

RTMA Registration Data

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TYPE 6055

TRIODE

The Type 6055 is a subminiature medium-mu triode capable of operation in the uhf region. This type is characterized by long life and stable performance. It is designed for service where severe conditions of mechanical shock and vibration are encountered.

MECHANICAL DATA

GENERAL

Style subminiature
Cathode coated, unipotential
Bulb T-3
Base K8-1, ⁽¹⁾ Subminiature Button--Flexible Leads
Outline 3-1
Maximum Bulb Diameter 0.400 inch
Maximum Overall Bulb Length 1.375 inches
Maximum Lead Length 1.500 inches
Mounting Position any
Basing 8DK
Lead Connections:
Lead 1 .. grid #1 Lead 5 .. cathode
Lead 2 .. no connection Lead 6 .. heater
Lead 3 .. heater Lead 7 .. no connection
Lead 4 .. no connection Lead 8 .. plate

RATINGS⁽²⁾

Maximum Impact Acceleration⁽³⁾ 450 g
Maximum Uniform Acceleration⁽⁴⁾ 1,000 g
Maximum Vibrational Acceleration for
Extended Periods⁽⁵⁾ 2.5 g

ELECTRICAL DATA

GENERAL

Direct Interelectrode Capacitances:
Grid to Plate 1.80 $\mu\mu\text{f}$
Input 2.20 $\mu\mu\text{f}$
Output 0.80 $\mu\mu\text{f}$
Heater Voltage (ac or dc) 26.5 volts
Heater Current 45 milliamps

RATINGS⁽²⁾ -- Absolute System

Heater Voltage (ac or dc)⁽⁶⁾ 26.5 ($\pm 5\%$) volts
Maximum Plate Voltage (dc) 55 volts
Maximum Plate Current 22 milliamps
Maximum Grid Current 8.5 milliamps
Maximum Heater-Cathode Voltage ± 200 volts

(See Page 2 for notes.)

TYPE 6055

CHARACTERISTICS

Conditions:

Heater Voltage (ac or dc)	26.5	volts
Plate Voltage (dc)	26.5	volts
Grid Resistor	2.2	megohms
Plate Current	3.0	milliamps
Transconductance	5,000	micromhos
Amplification Factor	19	
Grid Voltage for 10 μ amps Plate Current	-3.5	volts
Noise Output Voltage, maximum ⁽⁷⁾	100	millivolts
Life Expectancy, at 160 °C Maximum Bulb Temperature	5,000	hours

- (1) *With 1.500 inches Minimum Lead Length as specified above.*
- (2) *Limitations beyond which normal tube performance and tube life may be impaired.*
- (3) *Forces in any direction as applied by the Navy Type High Impact (Flyweight) Shock Machine for Electric Devices, or equivalent.*
- (4) *Forces in any direction applied gradually, as in centrifuge.*
- (5) *Vibrational forces in any direction at 60 cycles per second for a period exceeding 100 hours.*
- (6) *Tube life and reliability of performance are directly related to the degree of regulation of the heater voltage to its center-rated value of 26.5 volts.*
- (7) *Across plate resistor of 10,000 ohms, with applied vibrational acceleration of 15 g at 40 cycles per second.*