

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	μ f
Input	2.20	μ f
Output	0.80	μ 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.*